HTBAA95	5843	715044	1-466	15-480	C06015, C15076, D59275, D80258, D81026, D80269, D80195, D59503, D80045, D80038, D80227, D59502, A153568, D51022, A152527, F13647, D58283, C14389, D90044, H67854, H67866, D80024, D80378, D80439, D58246, D81030, D80188, D80251, A152523, D57483, C03092, D80157, D59859, D80022, C14331, D80014, D80166, D80212, D80268, D80566, D59889, C14973, D81111, D80196, D51423, D59619, D80133, D80247, D14227, D80302, D80210, D51799, D80391, D80240, D80025, D80219, D59787, D80064, D59095, AA305409, C14014, D56763, D59474, D80522, D51103, D80248, D80241, D59610, D80193, AA514188, A152535, D59927, A152920, C14046, C14344, C14407, D45273, AA514186, A152917, D59627, D58101, A152542, D52291, D80168, D45260, D45260, C16955, T03116, Z21582, C05695, A152912, Z33452, T02974, A157751, C75259, A152537, A157774, D31458, D51053, T02868, AA514184, A152528, A152925, A152515, C11398, D59695, C14298, D51213, A152903, A152516, A152528, AW369461, Z30160, A152522, T03048, H67858, A153961, A152969, A152907, A152922, A152914, Z97989, A802859, A132110, A62298, A84916, AR060385, A802449, I14842, A82595, A62300, AR008278, AR054175, AR008277, AR008281, AR018138, AP058696, I79511, AR016808, I82448, AR060382, A63887, X67155, AR01691, AR016690, and U46128.
HTDAA07	5844	870742	1-395	15-409	AA382185, AF137030, and AF137031.
HTDAC37	5845	575842	1-438	15-452	D29028.
HTDAC77	5846	772242	1-486	15-500	N95037, A1022474, A1248271, AA975181, A1149108, A1093311, A1209125, AW090147, A563932, AA464704, AA888260, A1817984, N66677, A1572916, AA194950, A1613488, AA988360, AW009662, AW197169, N70667, A1139484, AA593023, A1291223, AA918512, A290011, AW275959, A1207031, A1147360, A1123112, AW168560, AA838742, A1700254, AA677736, AA025125, A1127821, A1199468, A1678965, AA706984, A1142366, AA648206, A290254, AA705483, AA195162, T48016, AA662480, W94302, W79125, AA535223, AA649121, Z19423, A1887125, C00301, AA423808, A162475, AA721770, H96745, AW021909, AA653395, AA808520, A1264085, R06699, AA419007, A1636691, H30126, AA203331, AA203130, A1371762, F37305, AA025205, Z25040, A1050096, and AF083255.
HTDAE25	5847	714359	1-794	15-808	
HTDAE43	5848	889311	1-466	15-480	AA48790, AA454942, AA291948, AW237540, N91112, A1494473, A1911509, A1439197, AA343020, T82251, T80658, A165261, A1952736, AA47890B, AA003613, A1049875, AC005318, A1132800, A1031000, AC005406, AC007966, AC004024, A1022727, AC007283, A8026899, AP000500, U65960, AC006313, Z83827, AC004817, AC006017, A1022401, AC004072, A1133321, AC008040, AC007068, D84394, A1121576, AP000509, AC006048, AC005296, AC002464, A1096801, AC003685, A1003147, Z73965, AC004603, AC005598, A1023581, AC006371, AP000350, AC006001, M19364, AB002059, A22491, AC002472, AC007664, AC004869, AC006040, AF114156, K02402, AP000476, AL033403, AL033403, AC004205,

HTDAF65	5849	927842	1-805	15-819	AC004210, AC008173, and AC007690.
HTDAG18	5850	975517	1-531	15-545	AA809786.
HTIDAI42	5851	576013	1-168	15-182	AW450512.
HTGAL23	5852	574100	1-581	15-595	A243213.
HTGAM06	5853	935798	1-313	15-327	AA081775, and AL034453.
HTGAM26	5854	682040	1-268	15-282	AC004242.
HTGAM42	5855	578797	1-286	15-300	
HTGAN20	5856	578804	1-377	15-391	
HTGAO17	5857	876650	1-556	15-570	AA306797, AA315885, AA278590, and Z56144.
HTGAR40	5858	664270	1-285	15-299	AL109758.
HTGAR72	5859	574681	1-287	15-301	
HTGAS32	5860	835534	1-446	15-460	AA669142, and Z82206.
HTGAT93	5861	791508	1-304	15-318	
HTGAV59	5862	870798	1-616	15-630	R86892, AA628423, R41612, AI707842, AI055957, H05210, AA991859, AA470669, AA001858, AA031622, AI609279, AA974128, AI434212, AI244762, AI093589, AW169863, AA975419, AI80762, AA659915, N62291, AA04282, AI342963, AA026158, AA994340, AI375034, AA099832, AA149174, AI608984, R64147, R64156, AA136703, R65842, H86821, H87284, AI302922, AA031703, AI631329, AI824240, H83326, AI801241, W57570, AA149173, AA026157, AI744430, AA777668, and AC004549.
HTGAW37	5863	752829	1-402	15-416	
HTGAW75	5864	572404	1-410	15-424	
HTGAX19	5865	782877	1-587	15-601	H93152, H75866, AI057455, AA483942, AI432270, AL031687, AL049729, and AC006141.
HTGAY36	5866	923716	1-306	15-320	
HTGAY79	5867	775299	1-359	15-373	
HTGAZ62	5868	870414	1-332	15-346	
HTGAZ79	5869	584717	1-459	15-473	H52047, and AA354013.
HTGBE53	5870	683648	1-320	15-334	
HTGBE76	5871	954599	1-633	15-647	AI476793, AI672290, AW138734, AA779654, AA879458, AI681663, AI697960, AI914080, AI809954, AA830773, AI689893, AA829778, AA427944, AA430133, AI292003, AW006004, AI802022, AI830817, AA760755, AA911826, AI972329, AW024985, AI218258, AI262623, AI147166, AA775696, AI307175, AA432096, AI318373, AW135791, AI291999, AI262625, AI468220, AI261474, AI680656, AW303999, AI697519, AI932204, AI932319, AI301269, AW015392, AI351005, AI459293, AA057484, AI478943, AI264521, AI146596, AW131688, R94942, AI084799, AA434562, AI798178, AW207495, AI796931, AI14302, AI418524, AI690206, AI810352, AW136151, AI927475, W23511, AI912757, AA807192, AA906625,

HTGBF16	5872	572499	1-435	15-449	AW242625, AI272736, AA862246, and AI079720. T8954, T86652, and T85542.
HTGBF62	5873	753962	1-286	15-300	AA742198, AA116064, AA988320, AA478355, AA666332, F08230, AA547947, AI043285, AI310787, I86479, AA021199, AI046549, AA063419, H38353, AA326372, AA931974, H46830, AW080077, AA199578, AI310670, AA648942, AW438856, AA493975, AI754926, AW277253, AA455482, AA402139, AW131249, AA477503, AI344948, AA070345, AC006333, AC005562, AI022725, AC004825, AC004808, AC004999, AC004662, AI022574, AC004487, AI023807, U82828, AI021808, AC004805, AC005015, AI135783, AI133244, AF029308, AI109628, AC005495, AC006329, AC004167, AC008038, AC007666, AC009181, AI031281, AC006004, AC005049, AC005187, AC006111, AC010582, AC004686, AI133246, AL049794, AF049895, AC007250, AP000152, AP000011, AC005548, AC005158, AC007395, AC005682, AC004125, AC006251, AB023048, AF139813, AC007878, AC004456, AL033375, AL049844, AC007993, AC005330, AI022238, AC006370, AC005245, AC005067, AC002430, AC007384, AC004065, AC004815, AL049563, AC006071, AC004966, AP001058, AL031577, AL050343, AC005332, AC000159, AI008708, AC005701, AC005013, AI139054, AC004000, AC007179, AI020094, AC002558, AC007537, AI031123, AC005738, AC005423, AC005725, AI031780, AF109007, AC000025, AC004984, AC004858, AC004098, AI024474, AL049869, AF165926, AC002094, AC005914, U95742, AC006285, AI034400, Z84488, AC005772, U91326, AI133445, AP000086, AI133987, U80017, AI034418, AI133249, AL031311, AC006965, AC006441, Z82201, AC005737, AC002565, AP000511, Z98257, AC004884, AC000003, AC002369, AI143315, AC005358, AC002036, AI096701, AC005666, AI135744, AC006581, U66059, AC003081, AC004921, AI031735, AC002544, AC005913, AC016831, Z94160, AC006511, AC007021, AC005899, Z93016, AC003101, AF205588, Z81365, AI130343, Y10196, AC004792, Z94044, AC005618, AC005829, AC008008, AC003962, AI021878, AC005527, AP000962, AI031657, AC004968, U70984, AP000350, AF067844, U91321, AC007671, Z84480, AL096791, AC006195, AI021170, AC016025, AC004917, AI049874, AF123462, AC004900, AC005625, AI121652, AL008729, AI133216, AC004820, AC002543, AC004067, AB000658, AC005102, AC003695, AI293232, AB028893, Z83846, AC008014, AC010209, AC005224, AC004262, AC006254, AL049872, and AF053356.
HTGBF90	5874	786611	1-359	15-373	AA806299, AA829999, AA831691, AA321371, and AI096808.
HTGBG55	5875	966903	1-373	15-387	AA923782.
HTGBH18	5876	579103	1-344	15-358	I28792.
HTGBI93	5877	735751	1-583	15-597	AC003663, AC003070, AI022726, AC005104, and AC006251.
HTGBJ55	5878	787110	1-207	15-221	
	5879	579005	1-398	15-412	AJ132917, AF158180, AF031075, AF031078, and AF030876.
HTGBK66	5880	772325	1-327	15-341	
HTGBL34	5881	572643	1-308	15-322	AA361858.

HTGBL72	5882	576641	1-357	15-371	Z84479.
HTGBN09	5883	506500	1-335	15-349	AW408268.
HTGBN27	5884	683557	1-208	15-222	
HTGBN57	5885	578806	1-257	15-271	
HTGBP65	5886	870406	1-227	15-241	
HTGBR20	5887	669797	1-609	15-623	
HTGBR93	5888	973978	1-635	15-649	D80166, D80212, D59619, D80210, D80240, D59502, D80219, D81030, D51423, D51799, C14389, D80253, D80195, D58283, D59859, D80022, D80018, AA305409, D80391, D80043, D80227, D57483, D80193, D80196, C15076, D80045, D59889, C14331, D59927, D59610, D80164, D80269, D59787, D59467, D59275, D80038, D80366, D80241, D50979, C1429, D50995, T03269, D80024, D80378, D80134, D51060, C14014, D80248, C75259, AW178893, D80949, D80251, D51022, D81026, AW179328, AA305578, AW378532, AW177440, D51250, AA514186, AA514188, D80113, AW178775, F13647, AW369651, D80439, D80064, D80168, D58253, C14298, D81111, D51079, D80522, AW360844, D80268, AW352158, C14227, D59695, AW178762, C05695, AW375405, D80157, Z21582, D80112, AW177501, D51759, AI910186, AW177511, AW377671, AW366296, AW360844, D59373, AW360817, AW375406, AW378534, D80247, C14407, AW179332, AW377672, AW179023, AW178905, AW177731, AI905856, D80634, AW352117, D80302, AW176467, AW179020, AW378540, AW377676, AW352171, AW178906, AW352170, AW178907, AW178908, AW179019, AW179024, D51103, AW177505, AW177722, AW360841, AW178909, AW177456, AW179004, AW179329, D59653, AW178980, AW177733, AW378528, AW178754, AW179018, D51097, D58246, AW179009, AW179012, AW178914, AW178911, T11417, AW378525, AW352174, AW367967, T48593, AI557751, C06015, AW178983, AW177728, AW178774, AW378543, AW352163, D45260, D59503, AW178781, AW177723, C14077, C03092, D58101, H67854, D80228, AW352120, AW178986, AI557774, AW367950, AI535850, H67866, AA809122, D59627, AI525917, AI525923, AI521213, D80258, D51221, AW177734, T03116, D59317, C14344, AW378533, D80014, D59474, C14973, AI525920, AA514184, C14957, D60010, C14046, AI535686, D59551, AI525235, AI525912, D60214, AI525215, AI525227, AW177508, T03048, AW177497, D59081, AI525242, AA285331, AW378542, AI525925, AI525222, D51053, C05763, D45273, C16955, Z33452, T02974, C13958, Z30160, AW360855, AI525237, H67858, C04682, A6298, A84916, A62300, AJ132110, AR018138, A67220, X67155, Y17188, D89785, A78862, AR008278, D26022, A25909, AF058696, D34614, AR028859, D88547, Y12724, I82448, X82626, AR025207, A82595, AR060385, AB002449, A94995, I50126, I50132, I50128, I50133, AB012117, AR008443, AR060138, X68127, AR066488, AR016514, A45456, A26615, AR052274, A43192, A43190, A85396, AR066482, AR038669, A44171, I14842, Y09669, A85477, I19525, A86792, AR066487, A30438, X93549, AR054175, D50010, Y17187, AR066490, A63261, AR008277, AR008281, I18367, AR008408, AR062872, A70867, AR016691, AR016690, U46128, A64136, A68321,

HTGBS02	5889	920445	1 - 355	15 - 369	D88507, D13509, AR060133, I79511, AF12326J, X72378, AR032065, AJ000347, X93535, and AR008382.
HTDBYS1	5890	506502	1 - 263	15 - 277	
HTGCD10	5891	964884	1 - 275	15 - 289	
HTGCD85	5892	579028	1 - 313	15 - 327	AI469599, AC005682, AL049760, AC005484, AP000475, AL121652, AC005777, AC006530, AC004520, AP000269, AF029308, AP000103, Z83840, AL050317, AC005015, AL109758, AC006052, AP000049, AC005996, AP000311, AC005318, AC007308, AC005901, and AL121595.
HTGCF49	5893	723090	1 - 545	15 - 559	AI017212, AL042735, AB018295, and AF155097.
HTGCG89	5894	894005	1 - 413	15 - 427	
HTGCH58	5895	909949	1 - 1259	15 - 1273	AA746372, AW293387, AA804512, AI124624, N29013, AW082724, AA737473, AI018013, AW298470, AI304868, AI348442, AA776579, AW298354, AA748461, N20641, AI280305, AA923469, R50142, AA837153, AA921954, AA827804, and Z60950.
HTGCI80	5896	588166	1 - 474	15 - 488	H53442, and AA249120.
HTGCJ54	5897	571389	1 - 502	15 - 516	
HTGCL06	5898	935789	1 - 367	15 - 381	AL040359.
HTGCL40	5899	578774	1 - 225	15 - 239	
HTGCL94	5900	747573	1 - 242	15 - 256	
HTGCM13	5901	913673	1 - 326	15 - 340	
HTGCM90	5902	678122	1 - 472	15 - 486	Z85986.
HTGCM92	5903	578768	1 - 296	15 - 310	AA381762, AC007193, AL022318, AL022316, AC005412, Z98884, AC006487, AC005914, AL009181, AC005212, AP000557, Z93241, AF064861, AP000116, AC005746, AC007055, AL022323, AC006121, AC005018, AC007308, AC002400, Z83838, AC005736, AC008040, AC004148, AC002470, AC007536, Z99496, AC007226, AC005370, AC005307, Z83826, AL050341, AC005328, AL008583, AC007785, AL031123, AC005754, AC000353, AC002369, Z98044, Z97630, AC002128, AC007263, AP000555, AL031311, AC004673, AL049709, U95742, U78027, Z96074, AC009516, AC003007, AC005011, AL020997, and AC007216.
HTGCP76	5904	770143	1 - 299	15 - 313	AA350028, AI561255, AA654998, AI707788, AL042420, AA364224, AW440810, AA747480, AA747276, T07778, AL080274, AL031666, AL096701, AC008064, AL049874, Z84474, AF055066, AC005765, AC005237, AC007955, AL080243, AL049832, Z75894, Z75895, AP000056, AP000171, AW000124, AC005004, AP000330, AC005412, AL022322, AC007130, AL031289, AL009179, AC005940, AC002418, AC005258, U38670, U38668, AL031255, AC006071, AC012599, AC004966, AL13485, AC004386, and AC004821.
HTGCQ15	5905	880293	1 - 377	15 - 391	
HTGCQ19	5906	974433	1 - 491	15 - 505	

HTGCS20	5907	933260	1 - 520	15 - 534	
HTGCS81	5908	921650	1 - 232	15 - 246	
HTGCT54	5909	960912	1 - 291	15 - 305	
HTGCT57	5910	496297	1 - 380	15 - 394	AI754576, AW195474, AA846702, and AA004889.
HTGCU25	5911	679403	1 - 267	15 - 281	AA459192, R08444, T85564, T84409, and AA361578.
HTGCU28	5912	713353	1 - 242	15 - 256	AL049163.
HTGDG28	5913	735002	1 - 397	15 - 411	
HTGDG63	5914	579127	1 - 392	15 - 406	
HTGDG70	5915	757191	1 - 395	15 - 409	
HTGDG75	5916	769010	1 - 135	15 - 149	AL049758.
HTGDM56	5917	733405	1 - 404	15 - 418	AL020997.
HTGDM65	5918	967158	1 - 426	15 - 440	
HTGDS63	5919	958651	1 - 363	15 - 377	
HTGDS88	5920	659766	1 - 550	15 - 564	
HTGDT91	5921	974962	1 - 626	15 - 640	AW375405, AA305409, AW177440, D80439, AW360811, AW366296, AW375406, AW179328, T03269, C14389, T48593, AW378534, AW179004, AW179332, D58283, AW179329, AW377672, AW179023, AW178905, D59859, D80022, C14331, D80166, AW177731, D80195, D80199, D59927, D59467, D51423, D59619, D80247, AW378528, D80210, AW178906, D51799, D80391, D80164, D59275, AW178762, D80240, D80253, D80043, D59787, D80227, D59502, AW378532, D80038, AW179019, AA305578, AW377676, AW352170, D45260, C06015, AW378533, AI525913, I50126, I50132, I50128, I50133, AR066488, X82626, AR025207, A84916, A45456, A67220, D89785, A62300, A62298, Y17188, AB028859, A82595, A78862, D34614, A94995, D26022, D88547, AJ132110, AR018138, AR008278, X67155, Y12724, AF058696, A25909, AR016514, D50010, AR060138, A26615, AR052274, AR008443, Y09669, AR060385, AB002449, AR064487, A43192, A43190, AR038669, A30438, D13509, AR060133, Y17187, AR008408, A63261, A70867, AR016691, AR016690, and U46128.
HTGDS57	5922	712249	1 - 568	15 - 582	AC004242.
HTGDV50	5923	708605	1 - 521	15 - 535	
HTGDW16	5924	661477	1 - 521	15 - 535	T90228, N59530, AL049869, AF031076, AF031078, AF030876, AP000347, AC002067, Z49154, AC006128, AFI07885, Z85986, AL049793, and AP000346.
HTGDW40	5925	710759	1 - 580	15 - 594	
HTGDW96	5926	967030	1 - 1682	15 - 1696	AI354538, AI185915, AA902656, AA928143, AI697438, AI061263, AI122948, AI182996, AA205969, AI432383, AI130757, AI686707, AI246246, AA610132, AI095234, AA602547, AI340088, AA992399, AI284151, AA946670, AA775430, AI15150, AI081207, AI093001, AA935934, AA827098, AA706205, AI347104, AI369270, N70255, AV024457, AI140633, AI085317, AV009079, AI275007, AI025475, AA905290, AI379266, AA010063, AA872686,

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AW268122, AI923989, AI698391, AI251963, AI336532, AI81585, AI684021, F37471, AI251221,
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AW149925, AW268221, AI801325, AI612913, AI86090, AI404628, AI25202A, AI521594,
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AI591420, AI93794, AW162194, AL036638, AI611738, AI619502, AI677796, AL045500,
AI184903, AI491852, AL040241, AW026882, AW151136, AI923370, AI567940, AI329108,
AI68690G, AA291456, AW051088, AI43157, AI288305, AI702073, AI824576, AI452560,
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HTGBED54	5930	729223	1 - 449	15 - 463	AA301680, AB019419, AA694596, H96248, AA720531, AI640717, AA825809, AA639040, AA947352, H68210, AI520925, AA225495, AA056619, AA363890, T99365, R00693, AA084320, AW129188, AA340581, AA218684, AA745507, AA218684, AA862243, AI002950, AA835702, AI560241,
HTGBED59	5931	711417	1 - 327	15 - 341	

HTGEL69	5932	754761	1-178	15-192	H05066, N26159, AA171400, I24331, AW338376, AI890297, H23238, AA211925, AI690520, N71264, AI926126, AW085626, H97551, AA484671, AA744172, AW022796, AA744278, AA601343, AI805699, T26553, AA598579, AA772493, N24013, AA730530, AA526339, AA602579, AA372646, T57615, AA262079, AI623505, U69568, AC007011, AC005083, AC005409, AC003041, L78833, AC005374, AC005225, AL031666, AL050341, AC004067, AC008123, AC005837, AC000379, AC005800, AP000958, AC002312, U85195, AE000658, AC007066, AC004810, AC004525, 295703, 273495, AC004168, AF111168, AC004816, AC005324, AC006474, AC006475, AF064859, AP000349, AC007015, 297876, AL078462, AL035455, AL035684, AL078476, AC007050, AC002369, AC002302, AL034420, 293928, AO005913, AC004584, AC006039, AL020997, AC006966, AL135960, AJ131016, AC004941, AC002070, AC002991, 293023, AC004196, AF207550, AC007695, AC007541, AL022146, AO07934, AC004634, AC005049, 282201, AC005527, AC005512, AC006011, AC005041, AO05914, AC008119, 282249, AC004531, AF113129, AL080243, AL139054, AC003014, AC004543, AC005082, AC006071, AC002038, AL008639, AC007542, AC007877, AL031286, 295114, AF217403, AC005529, AF067844, AP000510, AC004974, AC005821, AC005531, AL135745, AP000966, AC005048, AL109628, AL049765, and AL133353.
HTGEF77	5933	771825	1-486	15-500	AC005971.
HTGEF78	5934	769764	1-154	15-168	
HTGEBG76	5935	769765	1-418	15-432	AC009044.
HTGEL46	5936	685425	1-445	15-459	
HTGEL54	5937	728905	1-400	15-414	N71581, N73880, N99573, AI283842, AA928413, AC007993, AC006312, AC004678, AF030453, AC005088, AC004983, AP000353, AL132992, and AC003010.
HTGEL55	5938	684871	1-329	15-343	
HTGEO46	5939	674409	1-495	15-509	H65476, AA496014, AA461080, AA229933, H65475, AC002310, AC005071, AC006948, AC004801, Z79997, and AL078611.
HTGEO86	5940	703733	1-409	15-423	
HTGEO94	5941	723097	1-629	15-643	
HTGEP20	5942	799683	1-388	15-402	AC004918.
HTGEP92	5943	789681	1-785	15-799	H40324, AA738283, AI268731, AI298787, N54397, AA642809, W24312, AA837731, AA701131, F3126, I02342, AA640310, AA741403, AA747757, AI370170, AA229422, AA340226, AI434037, AA503018, AA177013, AA740571, AI915081, AA176257, AI111963, AW151761, AA605243, AA153360, AA365893, N64587, H79586, AI904445, R83068, AW302670, AW927275, AW388886, H43183, N52501, AI080732, AA582350, AA748826, AA626679, AA579281, AA133332, AW407632, AL042667, AL042670, AI349130, AA565534, AA587215, AI858272, AA578066, AA525253, AC006312, AL022322, U29119, AL109963, AC005071, AC007016,

					Accession Numbers
HTGEQ11	5944	967047	1 - 380	15 - 394	AC006079, Z93023, Z99716, Z69890, AC006649, AC007226, AF196969, AB023048, Z99943, AC006960, U91326, AC005754, AC004878, AL050231, AL080243, AL022311, Z82208, Z83819, AL022313, AL033397, D87675, C94801, AC004638, AL049569, AC007546, AC005919, Z95331, AC002565, U18671, U19316, C94801, U55261, U57737, AC006581, AC004966, AP000116, AC007011, AJ003147, AL031718, AL102498, AC004491, Z83840, AC002395, AL020997, AC005004, AC006299, U07563, Z95116, AC000403, AC004647, AL031005, AP000510, AC005081, Z83822, AC004483, AC007263, AP000102, AL117347, AC005231, AC004560, AC004859, AP000089, AC005254, U73628, AC004601, U91325, AC005740, AL031276, AC005624, AC004912, AL031848, AC002316, AL050343, AL008635, AC009501, AL139054, AP000556, AL007308, AC007984, AL049869, AC004602, AC002425, AL031255, AC002544, AC005527, AL022476, Z83856, AL023694, AL031121, AC002492, AC005280, AF053356, AF003626, Z81369, AC006067, AC004457, AC005484, AC004687, AL031672, AL008725, AF121781, AC004655, AL031120, Y14768, AC007541, AC004253, AC005752, Y10604, AC005258, AC002470, AP000563, Z98950, AC002350, AC006165, Z98044, AC005696, AC003690, AC007216, AL079295, AC007486, AC006966, AC000592, AF001549, AC007676, AC004858, AC004030, AL121603, AL022331, U62293, AC006163, AP000505, AC007129, AC007225, AC005520, Z95329, AC004783, AC022517, AC006571, AL022394, AP000270, AP000555, AL035405, AP045555, AC009061, AC007538, AF104455, AP075098, S79836, AP000133, U11297, AL058684, Y12508, AB023049, AL031342, AC004534, AL050308, AF126403, AC005149, AL031172, AC004584, AC006338, AL049874, AL021391, AC002540, AL131162, AC004985, AL049859, AF048728, AL133371, AC008545, AC007065, AC005932, AL096791, U95740, AC004962, AL031277, AF196779, AC005907, AC007057, AL049872, Z98749, AC000353, AC004970, AC006490, AC005536, AC005567, AB000965, AC006255, AC004441, U85195, Z78833, AL096678, AC005368, AC004962, AL035703, AC002364, AF067844, and AL022577.
HTGEQ34	5945	703443	1 - 416	15 - 430	
HTGEQ40	5946	711181	1 - 120	15 - 134	
HTGEQ61	5947	741828	1 - 395	15 - 409	
HTGEQ68	5948	753031	1 - 432	15 - 446	AB00823, AA812684, AC004477, AF053356, AL024507, AC024507, AC005736, AC006942, AC004605, and AL049569.
HTGER72	5949	683469	1 - 380	15 - 394	
HTGET46	5950	719048	1 - 332	15 - 346	AW074332, AA780818, AA688303, AI668951, AH420747, AA640305, AI174703, AL044438, AA569565, AA601333, AL270280, T96028, AI613459, AA613434, AI714851, AA568303, AA568311, AW275640, AL047685, AA493546, AL048651, AA180056, AW452106, AL275380, AA669225, AI150693, AA846944, CI4144, AL079508, AA548142, M85807, H59296, AI918550,

HTGET82	5951	778928	1-558	15-572	AA664544, AA547956, AA572982, AI377411, AA199578, AI819419, T52807, E30357, AA368835, AA934656, AI791856, AI610814, AA482698, AL135707, AL044217, AL049646, AL109865, AL122020, AC004386, AC002418, AC005011, Z98946, AL096763, AL031282, U50871, AC007066, AC006084, AC004530, AC006034, AC004938, AC006479, AC005519, AC005180, AC005944, AL121603, AL031311, AC004655, AP000310, AC004000, AC006026, AL035420, AC008372, AC005531, AL031321, Z69732, AF067844, AC007021, 297630, 297196, AC005971, AC006480, AC005610, AP000947, AP000943, AC005261, AL096701, AC006441, AC005406, AP000116, AC005839, AC004242, AC002425, AC006312, AL035400, AL096678, AC005089, AF111167, AL139054, AC005695, AL035249, AL022721, AL034379, AC018633, AL034423, AP000228, Z85966, AB023051, AL080243, AC002074, AC006450, AP001068, AP000140, AC004854, AC002480, L78833, AP000240, AP000962, AC005215, AL135744, L78810, AC005696, AC006211, AP000088, AC005484, AL021392, 293017, AP000008, AC004167, AC002991, AC006324, AL035422, AP000512, U89336, AP000067, AL031846, 292844, AC007676, AC007917, U52112, AL080250, AC002470, AC005013, AP000280, AF196971, AC002380, U91327, AC004801, AF030876, AP000107, 283840, U85195, AC004231, AC006166, X02883, AB000662, M94081, 293928, AL117258, AL133241, AC002314, 298048, AL031672, AC008044, AL049648, AL008629, AC005726, 254073, AL049776, AC004929, AP000469, AC007543, AC003029, AC005529, AL022315, AC002558, AC004851, and AL049844.
HTGEU06	5952	935470	1-425	15-439	298751.
HTGFC20	5953	668924	1-429	15-443	N86992, AI241637, AA483583, AA830169, AA506744, AI021990, AA332991, AI283064, AA807583, AA229218, AA652422, AA229121, AA229188, N73511, AA904211, T29897, F25301, AA679061, AI207491, AI218171, AW103753, Z25411, AI079901, AI148404, AI683184, R73803, AI683385, AA847570, AA584564, AI627868, AI744175, AA657373, AA513141, AA513181, AA650053, AA364869, W04322, AA468974, AA230025, AA468371, AA224966, AA228368, AA055307, AA224889, AA468505, AA228269, AA641112, AA224816, AI701379, AA467943, AI669514, AA524616, AA614254, T40617, AA714930, AW410116, AW390309, AA448221, AA121919, AW008093, AA363260, AA745524, AA744001, AA744272, AA744455, AA302628, AI75191, AA745588, AA743966, AI037932, AL037932, AI923135, AA594510, AI660629, AI417675, AA877143, AT38813, AI619953, AA780046, AI538779, AA196824, AA988666, AC005884, Z84814, AP000230, AP000144, AL109967, AF001549, U50871, AC010849, AC002365, AP000035, 298036, AC004686, D84296, AP000150, D83253, AL022147, AP000009, Z94161, AF157623, AC005105, AD000684, AC002128, AP000261, AP000100, AC006478, AC004812, 297832, AF165147, AC007263, AC007543, AC004451, AP000350, AC005808, AC002068.

HTGFK43	5955	669222	1 - 310	15 - 324	AC006130, AL049745, AL035071, AC004016, AC006076, AC005037, AC007450, AC004813, AC007637, AC007075, AC001592, AC002477, AC006019, AL117352, Z97989, AC006947, AC005180, AC002123, AC004794, AL121934, AC005228, AP000343, AC007228, AL034451, AC002997, AC004514, AC006315, AC007681, AL109653, AC005921, AL133246, AC006571, AL136168, AL079339, AL022726, AC004025, AC005722, AC006254, AC006059, AC006953, AC015853, AC003077, AL049655, AC005104, AC004972, AC004559, AC007226, AC005053, AC005071, AP000308, AC004017, Z84718, AP000359, AC002565, AC004028, AP00351, AL031846, AC004883, AL022336, AC006285, AP000352, and Z97200.
HTGFN46	5956	974106	1 - 487	15 - 501	AI027665.
HTGFO51	5957	866957	1 - 402	15 - 416	
HTGFO75	5958	767032	1 - 267	15 - 281	
HTGFP07	5959	952555	1 - 329	15 - 343	AA564583, and AA583827.
HTGFP49	5960	722626	1 - 227	15 - 241	
HTGFP59	5961	738974	1 - 150	15 - 164	AL024508.
HTGFP62	5962	742908	1 - 519	15 - 533	
HTGFR80	5963	810302	1 - 377	15 - 391	AW392539, T08628, R19000, W40396, T07400, and Z98043.
HTGFW29	5964	690276	1 - 235	15 - 249	AC009304.
HTGFW63	5965	744678	1 - 711	15 - 725	AI637766, AA203538, AI341753, W35269, W23591, and AL137383.
HTGFX16	5966	656777	1 - 323	15 - 337	AA351139.
HTGFX82	5967	779055	1 - 341	15 - 355	
HTGF203	5968	923443	1 - 262	15 - 276	AI870366.
HTGF235	5969	707730	1 - 297	15 - 311	
HTGF258	5970	735683	1 - 331	15 - 345	
HTGGL08	5971	958583	1 - 463	15 - 477	AC002359.
HTGGL11	5972	966328	1 - 318	15 - 332	
HTGGL23	5973	974590	1 - 435	15 - 449	
HTGGL32	5974	698714	1 - 412	15 - 426	AA252763, AA558697, H59023, AI824562, AL043721, AW338086, AI205126, AA059154, AI251002, H64777, AI469172, AA605274, AA584581, AA745410, F34558, AA318652, AI648558, AL079804, AI339850, AW193295, AA098922, AI234440, AI286356, N27353, AA340747, AA507547, AI466796, AI818620, AA515224, AI623898, AI890923, AA594145, AW129001, AA317170, F37169, AI039958, AI003734, AI166815, AA747472, AI912265, F27015, AI962050, AW438643, AW029038, M62249, N71724, AI053672, AA916039, AI250019, AA515051, AA587604, AA077817, AI281881, AI565245, AI144055, AW440836, F36273, AI564185, AI929531, H88666, AA491762, AA652057, AI038785, AI334443, AI951863, AI918421, AW162049, AI535224, AW004894, AA652057, F29989, AI537955, AA095511,

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AA115968, AL043756, AI500454, AA649642, AW236342, AW088058, AW193432, AW338869, T06556, AA598586, AI282336, AA862173, AI367975, F18974, AI917271, AA515435, AW406162, AI049722, AA483034, AI350211, F36373, AW408717, AA229785, AW272641, AI471481, AI113636, AI358571, AW261871, AI567674, H64560, AI439360, AT532186, AI697208, AI113164, AI674873, AA713815, AI613280, AW008317, AA443390, AW151884, AL120674, AI688846, AI307201, AI921296, AA886584, AA917683, AW046447, AA654627, AA745582, F29702, AA054106, AI679782, AA557879, AA177061, AI375710, AI281903, AA826303, AA744031, AW074398, AA743980, AI608626, AA569187, AA284179, AA932099, R13151, AI287651, AI358229, AA629419, H78195, AA100372, AA347927, AI431303, AI282832, AA744074, AA340003, F19258, AA745355, AA744088, AW406755, AW193265, AW086257, AL041690, AW084253, AI365988, AL037683, F25203, AW440976, AL046205, AW339687, AW419262, H72688, AA502155, AI446464, AL118947, AI635272, AA09992, AI110770, AW270270, AA805373, AI471462, AA131186, AA125788, H86264, AW162489, T40077, AI370878, AI281465, AI148277, AI279165, AW276827, AA350859, AI148446, AI049634, AI150670, AI252554, AI262264, AI046409, AI341664, W05016, AI802526, AI312149, W95976, F27842, AI120687, W95841, AL038474, AL040913, AL042753, F36404, AF15052, AA633031, AI053429, AA557686, AA224091, AA470985, AI659826, AA659083, H37777, AW102955, AI379719, AA021552, AI281807, AI469003, AA581146, AI540107, T07451, AA229444, AT49284, N63352, AW238542, R91994, F24284, AW080004, T06628, H00934, T07287, T08638, AA634146, AA578918, AI343063, AA789029, AA587256, AI888365, AC007099, AL021332, AC005901, AP000459, Z66872, X75335, AF147277, AC049966, AC004470, AC007685, AC008044, AL008728, AC003971, AI049745, AC004057, AC007283, AC005924, Z95114, AC004984, AL031311, S75337, AP000045, AP000113, AL031662, Z92845, AC002982, AC000027, D87014, AC004088, Z97630, AI080276, AC012331, AL121694, AC006045, U14702, AC007429, AP000402, AL031681, AC009223, AC003048, AF015163, AC005391, AC004996, AC005194, AP000553, AC009516, U02048, AC005739, AC008975, AI239318, AC005723, AC006013, AC005099, U18390, AL096775, AL049698, AP001065, U18399, AC006476, X67277, AC004785, AL008716, AP000349, L10641, AC006019, AC007051, AC007919, M87919, AC005598, AL049691, AC004024, D87011, D87009, AC006150, AC006252, AC002509, S70694, AC005144, AL035681, AC000085, AC004999, AC005722, Z97054, Z69921, AC007450, AC002059, AP000496, Z54146, AL049764, AC007292, AC004221, AC004637, Z98752, AC005365, AC005057, AP000017, AP000158, AC005911, AC002119, AC005846, AP001068, AC006458, Z82203, AC006965, AC004099, AL023806, AL033381, AC006512, AC005531, AC006948, AC007514, U47924, AC005406, AI011930, U14695, U14700, U14701, U14703, U14705, AI010230, U14685, U14686, U14687, U14688, U14689, U14669, U14710, AC005759, AC006127, AC004475, AC000041, AP000011, AP000152, AI207550, AC000025, AL022328, AL079340, AC005070, AL021453, AP000503, AF134726, AC004025, AC005902,

Clone	No.				Accession Numbers
HTGGL43	5975	714932	1 - 204	15 - 218	AL031224, AC005291, U95742, Z82216, AF093117, U12580, AP000561, AL049743, AC000118, Z98256, AC006639, Z98754, AC004600, AL034548, AC007262, AC010170, AC007676, AC005231, AC007207, AC002299, AC004496, AC007216, AF010238, AF015162, AL080316, AC004876, Z74739, AC005071, AJ238481, AL096867, Z98884, AC002485, AC006132, AC002488, AC006002, AL033392, AB020859, AP000359, Z99916, AC006697, AC004796, AL031650, AC005585, AC006197, AL096774, U65406, Z71187, AC005899, AC006511, AC008039, AC005520, AC006208, AC008125, M87916, U66531, Z97196, D87675, AF140763, AL044432, AC005785, AL031223, AL049576, AC006055, AF064724, Z94722, AL023513, AL049643, AC004126, AF196779, AC002365, AC005389, U70984, M87923, S70697, AC002432, AL117355, AL035411, U12583, AL078640, AL009176, AC005704, AL035420, AC007161, AC005866, AC005295, Z84448, AC007227, AC005510, AL031387, AC007878, AC004522, AC005399, AC005031, AL121655, AC004986, AL031289, S42659, AC001053, AC004741, U52427, AC006432, AC008055, AL022315, U75285, Z99754, and Y11107.
HTGGL79	5976	774657	1 - 254	15 - 268	AA826138.
HTGGM20	5977	669083	1 - 586	15 - 600	AW083689.
HTGGN13	5978	869239	1 - 580	15 - 594	AI557095, and AL136295.
HTGGN92	5979	927051	1 - 345	15 - 359	AL021453.
HTHAA47	5980	503638	1 - 421	15 - 435	AA383871.
HTHBA07	5981	954426	1 - 190	15 - 204	AA383894.
HTHBA18	5982	502818	1 - 115	15 - 129	
HTHBA68	5983	915256	1 - 600	15 - 614	AA383725.
HTHBC31	5984	578568	1 - 456	15 - 470	AA383947.
HTHBC37	5985	502935	1 - 246	15 - 260	AA383950, and AA383958.
HTHBG67	5986	964562	1 - 806	15 - 820	AW367259, and AB029039.
HTHBK65	5987	526716	1 - 119	15 - 133	
HTHBL65	5988	921965	1 - 427	15 - 441	W76016, and AF190465.
HTHBO09	5989	531115	1 - 231	15 - 245	AP000701.
HTHBQ94	5990	529671	1 - 317	15 - 331	
HTHBU75	5991	557957	1 - 121	15 - 135	
HTHBW69	5992	757741	1 - 233	15 - 247	AC000073, and AC000092.
HTHCY64	5993	712474	1 - 480	15 - 494	AA203124, AA780042, AA215401, AF048727, AC002086, AC002385, AC004835, Z92545, AC004690, AL050337, AC004087, and AL024493.
HTHCA17	5994	572407	1 - 284	15 - 298	
HTHCA75	5995	712649	1 - 1007	15 - 1021	
HTHCB68	5996	660309	1 - 345	15 - 359	AF132607, and AB006626.

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HTHCB83	5997	578858	1-309	15-323	
HTHCC54	5998	578877	1-328	15-342	
HTHC17	5999	664274	1-324	15-338	A219546, AA669108, AA812176, T64527, AI811076, AA658101, AA452879, AI537814, N55560, AI261932, AI863180, AI270092, AW197990, AI801031, AI540367, AA987277, AA632493, AA632484, AI659402, AA426571, AA719317, AI248494, AL040524, AA602233, AT18218, AT07565, AI183878, AI279229, AI752815, N71340, N71390, AI199467, AI459213, AA347735, AA317898, AI133804, N55012, AA658540, AI000114, W24602, AW197508, AA484366, I165476, H65475, T40298, AA496014, AA767864, AI573180, R92296, AA486859, AA461080, AI065059, AI355433, N34481, AA287259, H72049, H73336, AA584675, AA485323, AI092461, Z98751, AC000057, AF121781, AL031390, AL049776, AC016026, U91323, AP000518, AL031848, AC005899, AL022323, AC007228, AC005295, AC005800, AC007216, AC002312, AL035089, AC002511, Z84466, AC005257, AC002126, AL033504, AC002054, AL096791, AC007845, AC007878, AC005399, U95742, AC000379, AP000032, AL034429, AC005512, AC006211, AC022517, AL008721, AC003036, AC006057, AC002549, AC009399, AC002301, AP000553, AC007201, AC009516, AC004797, Z54147, AC009363, AC007114, AC006946, AC006441, AC004590, AL022721, AC008064, AC005519, AF002993, AC002472, Z86090, AL079342, AC009501, AC007664, AC004813, AC007546, AC005529, AC008018, AC008124, AC005520, AC005225, AC002563, AC006953, AF050154, AC002996, L78833, AL031985, Y17293, AC005362, U91326, AC002544, AC007182, AF196971, Z75888, AC004167, AC002425, AL133485, AC004882, AC003109, AC007637, AC000068, AL033381, AC007786, M19364, AL021154, AL031670, Z85987, AC008928, AC003071, AC004084, AC005015, Z97053, AL121825, Z93017, AC004531, AC002470, AB017335, Z54334, AC004985, AL122021, AL049540, AL109952, AC005233, AL022067, AC005368, AC016025, AC004079, Z75887, Z83853, Z94802, AL049553, AL133777, Z98941, AC006430, U91321, AR060472, AL022336, AC004453, AL109627, AC005482, AC003982, AC005694, M10065, AC008101, AC002073, AC004678, AL021391, AF038458, Z82184, AP000270, AC004491, AL009181, AC000026, AC003964, AC003012, AL049712, Z79997, AP000514, AL035413, Y18000, AL121653, AJ006216, AC002990, AC004966, AL133500, AC004104, AC002059, AC003010, AC000086, Z97630, AP000167, AP000052, AC003666, AC007792, AL008718, AC004149, AC002565, AC004534, AC005803, and AC007687.
HTHCD91	6000	973272	1-589	15-603	
HTHCG11	6001	967275	1-325	15-339	
HTHCG86	6002	578843	1-357	15-371	
HTHCH22	6003	630239	1-673	15-687	AA085994.
HTHCH42	6004	578875	1-279	15-293	
HTHCK38	6005	579080	1-402	15-416	AF190465.
HTHCK42	6006	870355	1-403	15-417	

HTHCK91	6007	922873	1 - 330	15 - 344	AC011311, and AC005820.
HTHCM08	6008	959719	1 - 355	15 - 369	AA551975, Z98743, and AL079300.
HTHCM19	6009	842036	1 - 436	15 - 450	AA572753, AA836605, AA302978, AI445373, R67701, AA496309, AI306717, AA558404, F23307, AA376358, AI283938, AI537424, AW237905, AI354333, AA309634, AA610255, H67064, AI266359, AA302660, AI476049, AI798313, AA297698, AW243945, AA502991, H79586, F01222, AW008184, AI933716, AI800343, R83068, AA747757, AA476739, AA176328, H49372, AA299221, AA102737, AI431513, AI370170, AA230146, AI816537, AA356376, AA225358, AI815583, AA632556, AA484256, AI278130, AI628859, AA714073, AA368759, AA612727, T48829, AA831801, R33091, AI185394, F35684, AA834807, AA372311, AA487569, A191581, AA713735, AI973173, T40629, AI300818, AW265688, AI310992, AA643829, AA604831, AL031733, AC005274, I34394, AC000120, AC004602, AC005828, AC005412, AC004884, AC004448, AC006509, AL117344, AL035685, AC004129, AL133246, AL022163, AC004895, AL050348, AC002468, AL080250, AC009501, AL031848, AL022726, AC004817, U47924, AF015262, AC005231, AJ229943, AL050343, AL021939, AF111168, AC002988, AF027390, AL022336, Z85987, AC005971, L78833, AC002996, AL078593, AC005527, AL133243, AC007955, AL021154, Z98941, AL049832, U63721, AL022721, AC005255, AF196779, AC005529, AC009247, AL022476, AL135744, AL031311, AC006536, AC004253, AL133448, AL023575, AC007676, AC006312, AP000115, Z83844, AC005914, AP000343, AC007934, AC007371, AC004000, AP000121, AC005911, AC007666, U85195, AC002395, AP000045, AP000113, AL133163, AL109628, AC002091, U62292, U89335, AE000658, AC004008, AC004106, AL121653, AF075074, AC000039, AL117258, AL023581, AC005366, AP000502, Z93241, Z98951, AC007050, AC002477, AP000305, U95742, AC008372, AL049795, AL035249, AC007363, AC005820, Z98946, Z98884, AD000833, AD000868, AB020868, AC002303, AC007216, AL022653, AC005755, AC015853, AC004125, Z95114, AF134726, AC006241, AL132712, AL031433, AC005520, Z86990, AC005800, AC003695, AP000501, AP000103, AP000047, AC008989, AP000512, AC005081, AC004874, AC007917, AC010077, AP000553, AL049843, AC008154, AC004962, AL031577, AC005003, AC005189, AP000359, AL031427, AL035658, AL033392, AC007225, AC004854, AC002126, AC005551, AC007308, AC004797, AL031588, AC007358, AC004887, AC002316, AL079295, AC005921, AC005859, AP000116, AP000509, AL035400, AL034379, AC004019, AC007324, AC002528, AL109801, AL110292, AF015416, AL035684, AC005044, AC004447, AL122020, AL049697, AL121658, AL022326, AP000694, AC002312, AC008044, AP000269, AC005476, AL049830, AC006254, AC002310, AC003071, AC002350, AL049856, AC009856, AC006064, AC007444, AF196972, AF047825, AL023821, AC005089, AC007277, AC007688, AC006317, AC002119, AC004851, AC007283, AC005082, AL031662, AC005228, AC004659, AF126531, AL008726, AC006430, Z97030, AL031602, AL031295, AC007066, AC005786, AC005291, AF196969, AL109807, Z85986, AC005225, Z93930, AL035420, U82828, AC005190, AC006023, AP000032, AL049569.

HTHCM39	6010	578831	1-338	15-352	AC005746, AF001548, AC000026, AC004985, AC005599, Z95115, AC007516, AP000350, AU049643, and AC002106.
HTHCN38	6011	578826	1-421	15-435	
HTHCO28	6012	705888	1-458	15-472	AC004918.
HTHCQ92	6013	578757	1-71	15-85	AA724718, and AW297844.
HTHCQ31	6014	926330	1-622	15-636	T80675, and AA836398.
HTHCQ63	6015	959994	1-348	15-362	AP000172, AP000057, AP000125, and AP000330.
HTHCR16	6016	578722	1-309	15-323	AP000330.
HTHCT64	6017	856477	1-407	15-421	
HTHCU43	6018	578849	1-285	15-299	AA758534.
HTHCU85	6019	578851	1-300	15-314	
HTHCV21	6020	671098	1-230	15-244	AA678938, AA703089, AF057177, AF159056, AC006033, and AC007245.
HTHCV22	6021	419714	1-320	15-334	
HTHCV59	6022	937393	1-381	15-395	
HTHCW35	6023	707732	1-254	15-268	A438940.
HTHCW45	6024	578823	1-217	15-231	
HTHCW83	6025	578828	1-238	15-252	
HTHCX84	6026	578874	1-289	15-303	
HTHCY12	6027	971165	1-501	15-515	AA287931, AI341725, AI885252, AA481510, AA910745, and AA651762.
HTHC296	6028	578876	1-292	15-306	
HTHDD40	6029	707065	1-354	15-368	AA393224, AI016087, D81712, AA196338, AA935945, AI366709, AI187411, AI138856, AI300972, AI208569, AI681313, AI306498, AA192299, AI269875, AI735291, AI749426, AI971045, AA078265, AI308072, AA479418, AI870613, AI347395, AI273636, AA780190, AI469870, AA971121, AW005093, AI310114, AI142657, AA917590, AI094689, AI273366, AA975941, AI266496, AA620996, AA435851, AA416923, AA770226, AA443766, N73669, AA416838, AI266465, AI311563, AI196360, AA026398, AI306499, AA690271, AA196353, AA025864, AA723525, AI264128, AI292139, AA46915, AI681934, AA476818, AI680820, AA806004, AI138575, AI919372, N78510, W84495, AI735033, W84355, AA417880, AA192313, AI804297, AI914087, and AF161366.
HTHDE26	6030	869483	1-809	15-823	Z59408.
HTHDE44	6031	791641	1-374	15-388	AL031120.
HTHDE91	6032	967215	1-295	15-309	AC004854.
HTHDF38	6033	870339	1-684	15-698	H88681.
HTHDH24	6034	574675	1-493	15-507	
HTHDH34	6035	490926	1-118	15-132	

HTHDID31	6036	959718	1-401	15-415	AP000501.
HTHD1D43	6037	870335	1-353	15-367	AA230122.
HTHDM25	6038	578878	1-320	15-334	AA639236, and AA838091.
HTHDM65	6039	579199	1-239	15-253	
HTHDM69	6040	578834	1-370	15-384	
HTHDP70	6041	578882	1-294	15-308	
HTHDQ85	6042	966858	1-314	15-328	
HTHDR09	6043	579076	1-206	15-220	AC005081, and AC005015.
HTHDR24	6044	578848	1-354	15-368	
HTHDU80	6045	764136	1-598	15-612	
HTIAB35	6046	491273	1-507	15-521	AA504694, AW372019, AL133355, AC005484, AC007151, AC005527, AF053356, AL049872, AC005529, AC016026, U95742, AL04795, AC005295, U91321, AC007845, AC002365, AC002404, AC004675, AC006101, Z98051, Z98941, AC007842, AF088219, AC013256, AL096701, AC005664, AP000501, AC004895, AL031595, Z93023, and AC005102.
HTIAB39	6047	705432	1-468	15-482	AA078502, AC000385, and AC004924.
HTIAD26	6048	681865	1-613	15-627	
HTIAE28	6049	703321	1-288	15-302	293242.
HTIAE42	6050	668339	1-384	15-398	H97454, and AI703400.
HTIMB71	6051	760226	1-832	15-846	AI274138, AA828653, AA746171, AA955034, AC004834, AC006238, AC006050, and AL031774.
HTIMD95	6052	924240	1-459	15-473	
HTIMH80	6053	774407	1-549	15-563	W28136.
HTIMQ69	6054	754605	1-310	15-324	
HTIMR65	6055	729039	1-108	15-122	
HTIMT23	6056	948518	1-354	15-368	
HTIMT75	6057	766883	1-551	15-565	AI033483, and AA011410.
HTIMU34	6058	870316	1-688	15-702	AA248207.
HTIMU77	6059	771677	1-737	15-751	AA513791.
HTIMU87	6060	870315	1-303	15-317	T55626.
HTIMV80	6061	775766	1-658	15-672	AC007845, AC016025, and AC016026.
HTIMW42	6062	713132	1-506	15-520	
HTIMX71	6063	759910	1-490	15-504	
HTIMZ90	6064	787655	1-343	15-357	
HTINB38	6065	766881	1-261	15-275	
HTINC42	6066	713142	1-522	15-536	AA465661, and AB002390.
HTINC53	6067	793328	1-320	15-334	AA311589, H14706, AA215801, R59006, H23078, H04923, T80563, and AA160069.

HTINDI2	6068	870311	1 - 526	15 - 540	A1147197, and A1307151.
HTINI42	6069	924726	1 - 360	15 - 374	
HTINK36	6070	924939	1 - 427	15 - 441	R61153, F07094, AC007845, AC016025, AC016026, Z79966, and Z56830.
HTINM52	6071	795110	1 - 429	15 - 443	W39786, AL046597, AA089711, AA353463, and W07210.
HTINQ25	6072	771941	1 - 553	15 - 567	AL118563, AA206533, AL118569, and AB023187.
HTINR19	6073	781702	1 - 265	15 - 279	
HTINS23	6074	870336	1 - 706	15 - 720	
HTINV55	6075	931039	1 - 297	15 - 311	
HTOAA48	6076	870027	1 - 327	15 - 341	
HTOAF15	6077	862201	1 - 1378	15 - 1392	AA552784, AA654062, AA654973, AC002565, AC004491, Z85986, AC000353, AF001548, AP000553, AC002115, AC004878, AC004883, AU031846, AC002316, U91121, AC005037, AC005488, AL022320, AC007021, AL049553, AL121595, and AC006120.
HTOAI35	6078	799686	1 - 108	15 - 122	AC007676.
HTOAI69	6079	529555	1 - 247	15 - 261	
HTOAI93	6080	751902	1 - 222	15 - 236	
HTOAK34	6081	966800	1 - 1271	15 - 1285	AW408167, AA491322, AA505126, AI340133, N27153, AA053564, AA809481, AF181985, and AF179867.
HTOAK36	6082	921745	1 - 319	15 - 333	
HTOAO19	6083	954183	1 - 193	15 - 207	
HTOAO75	6084	530192	1 - 210	15 - 224	
HTOAT80	6085	530186	1 - 272	15 - 286	
HTOAU62	6086	738214	1 - 386	15 - 400	AC005071.
HTOAU94	6087	620370	1 - 514	15 - 528	
HTOAW19	6088	530114	1 - 189	15 - 203	
HTOAW26	6089	530116	1 - 97	15 - 111	
HTOAW37	6090	507322	1 - 378	15 - 392	H16881.
HTOBA06	6091	960618	1 - 382	15 - 396	
HTOBA10	6092	839919	1 - 389	15 - 403	AC002433.
HTOBEI5	6093	715538	1 - 361	15 - 375	R43482, and R43481.
HTOBF03	6094	925407	1 - 303	15 - 317	
HTOBF07	6095	954184	1 - 127	15 - 141	
HTOBF35	6096	530325	1 - 302	15 - 316	N55594, and AFI76915.
HTOBC27	6097	682263	1 - 441	15 - 455	
HTOBG70	6098	740977	1 - 134	15 - 148	
HTOBO11	6099	966734	1 - 553	15 - 567	
HTOCF92	6100	530009	1 - 399	15 - 413	R87130.

HTOCK26	6101	523838	1 - 363	15 - 377	AW449222, and AC006427.
HTODB23	6102	530149	1 - 296	15 - 310	
HTODC33	6103	921426	1 - 536	15 - 550	R70629, AW340510, AA743712, AI239711, AA934974, AA970927, AW296573, AA453769, AI242482, AA831667, AA278373, AT67205, AA292622, AA063568, AW361666, AW361612, AW361497, AA287288, AA035698, AW361613, AI219908, R30835, R27605, R70528, AA837400, AA938942, AW361673, AW361492, and AB018289.
HTODE04	6104	927826	1 - 329	15 - 343	
HTODE78	6105	530397	1 - 325	15 - 339	
HTODG07	6106	880911	1 - 203	15 - 217	
HTODG10	6107	968505	1 - 331	15 - 345	
HTODG16	6108	909952	1 - 478	15 - 492	
HTODG47	6109	799691	1 - 514	15 - 528	AA252781, AW403969, and AL041242.
HTODG55	6110	852560	1 - 357	15 - 371	T58456, and Z93020.
HTODG58	6111	869998	1 - 110	15 - 124	
HTODG60	6112	558007	1 - 405	15 - 419	AL035667.
HTODG83	6113	676384	1 - 122	15 - 136	
HTODH04	6114	925386	1 - 467	15 - 481	
HTODH37	6115	708892	1 - 419	15 - 433	
HTODL81	6116	507295	1 - 339	15 - 353	Z55019.
HTODL85	6117	799701	1 - 430	15 - 444	M85453, AL031313, AC005027, AC007380, AC004065, and Z97198.
HTODM58	6118	811293	1 - 208	15 - 222	
HTODN21	6119	869967	1 - 150	15 - 164	
HTODN27	6120	684343	1 - 413	15 - 427	AF150267.
HTODN68	6121	527862	1 - 310	15 - 324	AF000996, AF000995, AF000994, and AC006376.
HTOEA06	6122	960551	1 - 300	15 - 314	M85667.
HTOEA12	6123	967754	1 - 345	15 - 359	
HTOEA25	6124	523546	1 - 115	15 - 129	
HTOEC81	6125	529834	1 - 205	15 - 219	
HTOEC94	6126	529839	1 - 289	15 - 303	AC004168.
HTOED10	6127	839798	1 - 305	15 - 319	AB013094.
HTOED61	6128	742158	1 - 326	15 - 340	
HTOEG69	6129	967562	1 - 136	15 - 150	
HTOET10	6130	968492	1 - 304	15 - 318	N68224, N67354, AA534053, AA555161, H08147, AI973260, T49754, AA559007, AA741221, AA741406, AI889391, AI815170, AW152571, AW148470, AI801172, R17748, AA559008,
HTOEV37	6131	774641	1 - 127	15 - 141	AI361148, AI149828, AI535872, AI662762, AI335343, AI687528, AA871283, AI887750, D56730,

HTOEV40	6132	529822	1 - 416	15 - 430	AA724205, M91395, AA923525, AI868159, AI884507, AI088529, AA843944, AI754671, C18850, AL047714, AI887128, AI203663, R49351, AW304960, AA025980, AI266270, N78996, AA711755, AI284521, AA590380, AI983532, AI701872, AI812104, AW108205, AA555158, AL037579, AA729065, AA039866, AW119188, AA055984, AI556187, AA946673, AA844503, AA716447, AI357575, AI567166, AA864427, AA781287, AW131915, AI567615, AI016814, AI708701, AI567339, AA948336, AW264529, AW173730, AW119035, AI917880, AI538300, N70267, AI047952, AA776091, AA634359, AI023241, AI298320, AW074746, AI567199, AI311007, T96249, AI283537, AI687339, N66270, Z38362, AW266514, AA007156, D56496, D57534, D58194, AA852819, AI744922, AW241346, AA985276, AI491863, AA446218, AW170129, AA746260, AW305377, AI520939, AA468200, C16188, AI582534, AI690949, AA910908, N64254, AW021711, T31245, AW337845, AI356169, AI858397, AI766339, AI873603, AA887384, AI917555, AA468325, AI356978, AW243937, AI624978, AI363736, AA473615, T63046, AW262693, AI357870, AW027859, AA476195, AA951137, AI830023, AW148889, AI624332, AI984869, AI588857, AI623999, AI890602, AI923387, AI624546, AI984874, AW338727, AI924795, AI174614, AW338383, AW261865, AA740176, AW273343, AW167058, T93303, AA524734, T58485, T34321, D57153, R74097, AI804969, AA468252, D57519, N67079, AA708254, D57672, AW199991, AI884463, AI912364, AA623438, T92456, Z36256, D56644, AI911864, AI620441, AI887188, T49753, AW083621, AI979068, T31365, R62949, AI953779, T06806, R56859, AI976655, AA653903, AA612406, D56697, H88939, AW440537, H88746, R43948, T95697, AA473385, AI335183, AW023129, C16259, C16182, R77884, D57476, C16244, C16256, AI361970, AA173140, R67928, C16175, C16228, C16261, AI735323, D56668, D56538, H26265, H05623, AW023819, AA987712, W45132, AA370387, H43894, AA113139, AA083045, AA074156, C16393, H43403, D58338, H88747, AI285675, AA856677, F08907, AA586771, AI827352, AA641695, D57786, AI525653, and AI152462.
HTOEV50	6133	529820	1 - 207	15 - 221	AC006031.
HTOEY72	6134	659494	1 - 242	15 - 256	
HTOFAU4	6135	845519	1 - 117	15 - 131	AI680192, AA365356, AC006353, Z95701, AC004945, AL023578, AC005280, AC005951, AL109837, AC002485, AC007876, AL035593, AC006925, AC002558, AL035209, AC006442, AF112374, and AC010077.
HTOFB55	6136	723256	1 - 285	15 - 299	AL039392, AL043102, AC003010, and AB002368.
HTOFB73	6137	742153	1 - 193	15 - 207	
HTOFC70	6138	811291	1 - 342	15 - 356	AL031733.
HTOFD10	6139	968469	1 - 260	15 - 274	AL031733.
HTOFD31	6140	529674	1 - 190	15 - 204	AL132987.
HTOFD57	6141	529673	1 - 290	15 - 304	AI693633.
HTOF005	6142	932662	1 - 86	15 - 100	AL023553.

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HTOF041	6143	529617	1 - 102	15 - 116	
HTOF048	6144	720880	1 - 303	15 - 317	AA083844, and AC009464.
HTOFT22	6145	939903	1 - 2369	15 - 2383	
HTOFT34	6146	527144	1 - 257	15 - 271	
HTOGA06	6147	960554	1 - 295	15 - 309	
HTOGA25	6148	529959	1 - 173	15 - 187	
HTOGA35	6149	751989	1 - 517	15 - 531	W24682, N36613, T97784, AW450574, AW007560, T79529, W44828, T81699, AA279071, AI492367, W73735, AI767757, W73412, AI650834, and AF086296.
HTOGA51	6150	530331	1 - 109	15 - 123	
HTOGB55	6151	781591	1 - 387	15 - 401	AA336963, and AA835914.
HTOGB92	6152	529810	1 - 316	15 - 330	AC006211.
HTOGC16	6153	927835	1 - 124	15 - 138	
HTOGC20	6154	960094	1 - 331	15 - 345	
HTOGD28	6155	529806	1 - 334	15 - 348	
HTOGD43	6156	650846	1 - 312	15 - 326	
HTOGD50	6157	529805	1 - 421	15 - 435	AA805738, and AC004527.
HTOGI75	6158	869973	1 - 320	15 - 334	
HTOGI86	6159	507294	1 - 319	15 - 333	AL024508.
HTOGR50	6160	529824	1 - 230	15 - 244	
HTOGR65	6161	618316	1 - 616	15 - 630	
HTOGU30	6162	961776	1 - 92	15 - 106	AC005530, AB023048, and AP000511.
HTOHB03	6163	924986	1 - 621	15 - 635	
HTOHB42	6164	714073	1 - 353	15 - 367	
HTOHB66	6165	966688	1 - 756	15 - 770	T95688, and T95163.
HTOHC78	6166	577745	1 - 310	15 - 324	
HTOHC84	6167	537370	1 - 343	15 - 357	
HTOHD27	6168	799676	1 - 189	15 - 203	
HTOHF53	6169	531172	1 - 268	15 - 282	AA229326.
HTOHG55	6170	537366	1 - 238	15 - 252	
HTOHI60	6171	740611	1 - 328	15 - 342	
HTOHL22	6172	968308	1 - 230	15 - 244	
HTOHL35	6173	537364	1 - 217	15 - 231	AC007845, AC016025, and AC016026.
HTOHM54	6174	537363	1 - 261	15 - 275	
HTOHN24	6175	971728	1 - 129	15 - 143	AF076455, and AL033421.
HTOHN42	6176	537362	1 - 176	15 - 190	AA465694.
HTOHP13	6177	530350	1 - 403	15 - 417	

Name	ID	Number	Range 1	Range 15	Accessions
HTOHS32	6178	678071	1 - 252	15 - 266	AL133485.
HTOHS68	6179	507136	1 - 336	15 - 350	AC005531.
HTOIU09	6180	920734	1 - 155	15 - 169	
HTOIV29	6181	527865	1 - 403	15 - 417	AC004020.
HTOHX74	6182	507139	1 - 455	15 - 469	AL035079.
HTOHZ61	6183	537371	1 - 392	15 - 406	
HTOIA12	6184	851032	1 - 532	15 - 546	
HTOIA68	6185	584946	1 - 331	15 - 345	
HTOIJ67	6186	537354	1 - 342	15 - 356	
HTOIK06	6187	954518	1 - 316	15 - 330	
HTOIK08	6188	959996	1 - 587	15 - 601	AA521458, AAA465140, AW268432, AI018232, and 285996.
HTOIN17	6189	537322	1 - 365	15 - 379	
HTOIO29	6190	506720	1 - 410	15 - 424	
HTOIO36	6191	537320	1 - 277	15 - 291	
HTOIO79	6192	537321	1 - 308	15 - 322	
HTOIP32	6193	869941	1 - 457	15 - 471	M62242, AA632589, AA654874, AI380617, AA548921, AA405475, AA078450, AI500315, AA713720, AA478369, H94979, AP000300, AC007051, AC007919, AC005592, AC004475, AF190465, AP000113, AP000045, AI109758, AI031665, AI035422, U07562, AI121580, Z98200, AL049776, AC006211, D31872, I25849, AL031427, AC005005, AC006480, AC006006, A65971, AP000238, AC002550, AC003462, AP000094, AL031289, AC003109, AC006511, Z97195, AP000283, AP000284, Z84477, AC004084, AP000040, AP000108, AP000356, AC005971, S48539, U93096, L29349, L29348, X17648, A28928, AL023799, AF108459, AC005745, AP000288, AB004907, AL096805, AP000543, AF149773, AP000544, Z82190, AP000109, AP000041, AC012627, Z95329, Z95331, Z95400, AC007666, AL035455, AC006285, AC005154, AC007934, AC005535, AC007395, AC002307, AC007371, AC007486, AL031283, AC006536, and AL022318.
HTOIP53	6194	557824	1 - 295	15 - 309	
HTOIOO5	6195	932440	1 - 395	15 - 409	
HTOIR12	6196	537319	1 - 272	15 - 286	
HTOIS27	6197	485268	1 - 493	15 - 507	
HTOIT32	6198	418666	1 - 81	15 - 95	
HTOIW02	6199	970752	1 - 229	15 - 243	AB032254.
HTOIW40	6200	669595	1 - 257	15 - 271	AL132341.
HTOIY09	6201	836003	1 - 518	15 - 532	
HTOIZ34	6202	707039	1 - 228	15 - 242	N44119, AI560189, AC005670, AC004675, AF088219, and AC005532.
HTOIA65	6203	456824	1 - 547	15 - 561	

Clone	No.	Seq	Range 1	Range 2	Accession Numbers
HTOJA83	6204	574764	1 - 343	15 - 357	AL035209.
HTOJA96	6205	968510	1 - 256	15 - 270	
HTOJB59	6206	574761	1 - 432	15 - 446	
HTOJB67	6207	726577	1 - 589	15 - 603	
HTOJF65	6208	715820	1 - 331	15 - 345	
HTOJG08	6209	866926	1 - 152	15 - 166	
HTOJI24	6210	766963	1 - 378	15 - 392	
HTOJI17	6211	574735	1 - 488	15 - 502	
HTOJK48	6212	574348	1 - 424	15 - 438	H50743, W89032, and AC004908.
HTOJK79	6213	531320	1 - 392	15 - 406	
HTOJL55	6214	952741	1 - 616	15 - 630	AC002480.
HTOJL71	6215	825165	1 - 197	15 - 211	
HTOJM06	6216	574529	1 - 186	15 - 200	
HTOJM70	6217	936089	1 - 870	15 - 884	
HTOJS81	6218	799689	1 - 305	15 - 319	
HTOJT90	6219	711021	1 - 395	15 - 409	
HTSAA22	6220	921016	1 - 457	15 - 471	AA248014.
HTSEU58	6221	415775	1 - 436	15 - 450	AA295824, and AI034374.
HTSFZ77	6222	521995	1 - 284	15 - 298	AA055031, AI693951, and AC000353.
HTSGB93	6223	935620	1 - 253	15 - 267	
HTSGM65	6224	526625	1 - 518	15 - 532	AA725078, AI040862, N90022, AI453081, AI023972, W52909, AA037352, AH70313, and AL035562.
HTSGW24	6225	576062	1 - 422	15 - 436	AI334632, and AI308136.
HTSHA61	6226	971724	1 - 597	15 - 611	AFI11770.
HTSHD86	6227	960474	1 - 289	15 - 303	
HTSHF47	6228	773726	1 - 597	15 - 611	
	6229	720403	1 - 314	15 - 328	
HTSHM38	6230	972248	1 - 604	15 - 618	AI907172, C14389, C15076, D59467, D80164, D59787, D81026, D59610, D51799, D58283, C14331, D80022, D81030, D80043, D80241, D80038, D59502, D59859, D80227, D80166, D80195, D51423, D59619, D80210, D80391, D59275, D80240, D80253, D80212, D59927, D80196, D80188, D50995, D80219, D80026, C14429, D57483, D80366, D50979, D59889, D80193, D80251, C14014, D52291, AW177440, AA305409, D80378, D80024, D51022, D80045, AA305578, AW378532, D80522, T03269, AW178893, D51060, C75259, T11417, AA514188, AW179328, D80248, AW369651, D51250, AW352158, D80134, D58253, C14077, AW178762, AW178775, AW177501, AW177511, C14407, D80268, AA514186, D80133, AW176467, AW360811, F13647, AW377671, AW352117, C05695, D80132, AW378540,

HTUAA40	6231	522671	1-406	15-420	AI910186, AI557751, AW366296, AW360844, AW360817, AW375406, AW352170, AW378534, AW179032, AW377672, AW179023, AW178905, D51213, AI905856, D80247, D80302, AW352171, D80014, D80439, AW377676, AW178906, AW177505, AW177731, AW178907, AW179019, D80706, D59317, D60015, I21582, AW179020, AW185841, AW178909, AW177456, AW179329, AW178980, AW177733, AW352174, AW378528, AW178908, AW178754, AW178018, AW179012, AW360834, D81111, D51103, AW179004, D59627, T02974, AW178914, AA283331, AW378525, D80258, D51097, AW367967, C14227, D80157, AW177722, AW177728, AW179009, D51759, AW178774, AW178911, AW378543, AW352163, D58101, D58246, D51509, D59503, AW352120, AW178781, T48593, AI535850, AW177723, D59653, AW177508, D45260, D80168, C14975, H67834, C0D092, AW378533, H67866, AW367950, AI52590, AW177497, AA809122, C14344, D80064, AW178986, AI525923, D80228, D59051, AW177734, T03116, AI525917, D45273, D59317, D80949, D51079, C14973, D51231, D60010, D51121, D59474, AA51418, AI535686, C14046, AI535961, T03048, C14957, D60214, AI525227, Z33452, AI525235, AW378539, C16955, AI525242, AI525912, AW378542, AI525925, AI525215, AI525237, AA305720, C05763, D59695, AI525222, H67858, C14298, AW360855, A62300, AW018138, AI132110, AI4916, AI62298, AF058696, A25909, X67155, Y17188, D26022, AI008278, A67220, D89785, A78862, D34614, AB028859, D88547, X82626, Y12724, AI82595, AI025207, AI94995, AA060385, AB002449, AA008443, AB012117, I50133, AR066482, I50126, I50132, I50128, X68127, AI83596, A44171, AR066488, AR016514, AI85477, AR060138, AI45456, I19525, A26615, A052274, A86792, U87250, U87253, X93549, AR054175, Y09669, A43192, A43190, AI038669, AI006490, AI066487, A30438, I18367, D88507, I14842, D50010, Y17187, A63261, AI008277, AI008281, AI00867, AR008408, AR062872, AR016691, AR016690, U46128, D13509, AF151125, K64136, A68321, AA86013, T9511, AB02565, U79457, AF123263, AB033111, AR032065, X93535, AR008382, and 242460.
HTUAB6	6232	522076	1-82	15-96	AA124486, AL035416, U35114, and AC006449.
HTWAB64	6233	522058	1-273	15-287	AL096763, AC006822, AC006023, AL031432, and AL009174. AA442624, AI382107, AA056820, AI526078, AI557241, AI541346, AI157039, AL133054, A82595, and A82593.
HTWAH16	6234	880725	1-231	15-245	AL031733.
HTWAH51	6235	614968	1-290	15-304	AL135521, AC010205, AC005409, AB033034, and AC005501.
HTWAM50	6236	753217	1-220	15-234	
HTWBD74	6237	716756	1-305	15-319	
HTWBE77	6238	781306	1-761	15-775	AA058683, AA040633, AI803614, AI798615, AA910057, AI291722, AW057620, AI560233, AI188314, AI393726, I08739, R43944, AI693931, AW082226, AW275123, AA167619, AA831569, AI347306, AA800447, AI819648, AA885238, AI245489, AW269885, AA768000, AA600827, AI074850, AA877438, W38388, AA279508, AW262944, AA036773, N23012, AW051434, AI857899, AA588347, AA030007, AA015960, D20147, AI803231, AI127521,

HTWBF61	6239	579041	1 - 257	15 - 271		T32672, AI735278, AA704386, AA843110, AA917442, C05802, AI352677, AI025668, H38239, AA707841, AI868263, AI858616, AW169215, N67579, AI279308, N74142, AI077379, AA481526, AI270213, AA860535, T32404, AT40488, AI198665, AI886915, AI888951, AA045510, R31555, AA814461, T51964, AI986378, Z38808, N71944, N79918, H60835, R38175, AI581778, AI826300, N76294, R32017, AW021734, AA527734, AA652302, N71789, AA939173, T52044, T36198, AW194484, AA279782, R39771, AI669733, AA317052, T18548, D58098, AF176700, and AF052097.
HTWBF65	6240	576623	1 - 593	15 - 607		AI216401.
HTWBF82	6241	854019	1 - 330	15 - 344		T78602, AI703465, AW388902, AW388986, AW389009, AW388910, and AI640865.
HTWBG40	6242	711271	1 - 463	15 - 477		R93076.
HTWBH73	6243	708331	1 - 290	15 - 304		
HTWBJ15	6244	842014	1 - 616	15 - 630		AA146979, AA147158, AI120141, AI962030, AA630854, AA904137, AA846923, AI783911, AI653776, AI560085, F35097, AW028950, AW082104, AA084609, A890319, AA102737, AA581247, AA206230, AI291419, AW337381, N48130, W02749, AA715506, R93919, H54252, R83402, AI749578, AA279919, H55284, AA122307, AA452887, AA535756, AA491767, AC004858, AF109907, AA002347, AC005399, AI117258, AC004983, AP001058, AI049829, AC006312, AL021393, AC002302, AJ003147, Z79998, AC007637, AL031427, Z97353, AF196971, AC006241, AP00362, AF111168, Z97054, Z86090, AL078611, AL117330, AC002477, AL035462, AC000029, AC006101, AC002094, AC005180, AL022326, AL133312, AL049874, AC005932, AC004253, AC005102, AC002432, AF130343, AC003667, AF006501, AC005049, Z85986, AC005082, Z84469, AL035684, Z85996, AC005625, AC005476, AC006538, AC005015, AC020663, AC007666, AC006285, AL049743, AD001527, AL030096, AC010170, U95740, AF196970, AC004859, AL031284, AC005514, AC003950, AC005412, AL109854, AC002418, AC004598, AL031587, Z83843, AL023803, AF091512, AC002563, AC005736, AC004386, Z84466, AC006512, AC004257, AC005821, AL022069, AC007488, AC004216, Z69921, AC004950, AF001550, AL022233, AC006057, AL035422, AF196779, Z95331, AL078593, AC002369, AL121578, AC006511, AC003043, AL021878, AE000658, AL050341, AC000353, AL033525, AC004655, AL022396, AC007227, AC002115, AC006582, Z75407, AC002404, AC005184, AL031662, AP000045, AC003982, U91321, AC004000, AC003663, AC004890, D42052, AL031279, AC003010, AL031447, AC008134, AC004815, AL050307, AC007376, AF196969, AC005620, AL121653, AC004033, U52112, U85195, Z48051, AC002991, AC005274, AC003004, AC005379, AC009247, AF104455, AF207550, AP000512, AL035089, AL022318, AL034419, AL049766, AC004967, AL049697, AC004765, AF003626, AL031281, AC004985, AL023553, AL096715, AL022328, AL050309, AB000882, AL109984, AC006126, AC002554, AC004217, AC002091, Z94056, Z82201, AC005088, AC006162, AL031228, AL031291, AC005694, AL079342, AC005193, AC005562, AC005220, AC005261, Z84487,

HTWBJ71	6245	935647	1 - 331	15 - 345	AC004685, AC002511, AC007387, 297632, AL078638, AF030453, AL078584, AC006236, AP000514, AC004810, 293244, and AC006468.
HTWBL88	6246	784364	1 - 166	15 - 180	
HTWBN85	6247	577510	1 - 272	15 - 286	
HTWBO55	6248	732182	1 - 563	15 - 577	R56200, AI393984, AA780790, H06076, and AI287520.
HTWBR04	6249	787303	1 - 305	15 - 319	AA333449, AI123407, AI611123, AP090834, AF097832, and AF153679.
HTWBZ01	6250	578678	1 - 90	15 - 104	AI475768, D89870, and AC004152.
HTWCA19	6251	582498	1 - 547	15 - 561	
HTWCA76	6252	770109	1 - 363	15 - 377	AL035209.
HTWCD27	6253	658018	1 - 449	15 - 463	
HTWCD40	6254	670812	1 - 466	15 - 480	AW151761, AI917132, AA807704, AL041375, AV089016, AI499954, AA610255, AI791659, AA742815, AI572680, AA297776, AA720582, AA528390, AA846922, AL079734, AW192373, AA808861, AA584655, AA192293, AA904211, AI762528, AI674840, AI206841, F35684, AA229988, AI636422, AI567676, AA584594, AL038842, AI355246, AA282951, H66021, AI912401, AI921765, AW277432, AA452887, AA633875, AA485831, AW151541, AI709174, R70333, AI078409, T47138, AW272815, AA581247, AA601674, AA015948, AI370470, AA568314, AI189682, AI719142, AA633799, AW419389, AW403829, H45698, AA489390, AI634377, AI538404, AA502207, AA669234, AA315361, AI333426, AA634242, AA493226, AA558404, AA160563, AW161016, AI860423, AW302017, AA651639, AW029269, R70883, H63660, AI434037, AW020150, AI537368, AI521525, AI583291, AA714011, AI590404, AI479068, AI565126, AW166611, AI610737, AA405726, AA503298, AI242614, AI904840, T49933, H81406, AI537995, AI536858, AI130709, AA499105, H29914, AA613624, AA182731, AI457313, AI634187, AA808725, AW069227, AI887606, AI690497, AI627614, AA425924, AI554435, AA599423, AI289505, AA603413, R81167, AI915081, AW162750, AI690892, AA356376, AA568204, AA570740, AA600202, AA483606, AA574000, AI114494, AA578621, AA636077, AA469327, AA654482, AA719564, AI926102, AA479877, AA613616, AA565232, AL039309, AW089550, H67064, AA526339, AI792439, AW272640, AI469599, AA506734, AA299589, AA877992, AA564587, A507291, AA740571, AI186905, AW106463, T50061, AI310992, AI300818, AA741403, AA158549, AW190484, AA878058, AA574009, AW188742, AA237098, AA610413, AA582746, AI285493, AI282623, AW270385, AI431513, AA461583, AI312090, AW023111, T52772, AA341865, AW069537, AW151247, AI963856, AA484191, T03576, AA583386, AA603567, AW341882, H64099, AA631915, AI653776, AW029618, AA135761, AI923052, AA397821, AA701122, T41134, AA005274, AP000359, AL035420, AC002430, AC003692, AC007384, AC002400, AC004797, AC005081, AC007536, AC002375, AF053356, AL133163, AL049776, U15422, AF104455, AF030453, AF134726, AC003667, AC006480, AP000557, AC007686, AC007842, AL109758, AL096701, AC007227, AC007225,

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HTWCF25	6257	924008	1 - 365	15 - 379	AC002394
HTWCF94	6258	747197	1 - 438	15 - 452	AL047485, AJ525707, AW277133, AA069701, AA557394, AA194689, AA574454, AW265297, AA195832, AA194667, AA195966, AA196489, AI800403, AW276795, AA225324, AA214115, AI224582, AA468474, AA476566, AI557286, AA225999, AI979036, AI811220, AI133661, AA211763, AI633184, AA469255, AA21596, AA192886, AA595622, AA657462, AA186825, AA194458, AI679588, AA470537, AA528310, AI801080, AA194020, ATT19397, AA179143,
HTWCG45	6259	548176	1 - 469	15 - 483	

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HTWCG65	6260	869547	1 - 300	15 - 314	U38997, AF072420, U63496, U13102, U63494, U13124, Z18645, Z18655, AF203774, AF061340, U13112, U63501, U63500, U63490, AF07428, U63504, U63489, U63502, AF072429, AF09723, AF072430, Z18659, AF058292, U63498, U63510, U63508, Z18661, and U63495.

Column (15 - 314) accession list:

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HTWCG69	6261	575950	1-298	15-312	AF113677, I89931, AL110221, AF158248, I49625, AL050393, AF090900, AL049466, AF125949, AL117585, AF017152, E03348, AL137557, L31396, AL080060, L31397, X84990, AF177401, U42766, AL122121, AF113694, A000097, AL117460, AL117457, AB019565, AF104032, AF113019, A08910, E07361, AL122050, AL110225, AL137550, Y11587, AC006371, AL133560, AL050146, AF090806, AF090901, X82434, A65341, AF113699, AF113013, A242859, AR059958, AF090903, AL050116, S68736, AL122093, AF078844, AF111851, X63574, AL049452, AL133640, AL133357, AL080124, AL122123, AF118064, S78214, AF125948, AF106862, AF091084, AF017437, Y16645, Y11254, AL110196, AF113691, AL133016, AL133606, AF079765, AF090934, AF113689, AF146568, AL117394, AL133093, A93016, AL137527, AL049464, AF118094, AL080137, AL050138, AL133565, AL050277, AI238278, AL050149, AR011880, AF090943, AF183393, AL117435, AC007869, AL049300, AL049938, AL117583, AC009233, AL096744, U91329, AL080909, E07108, A03736, AL137283, AF067728, AL049382, Z82022, AL080127, I33392, AL133113, A58524, A58523, U00763, AL049430, AL137271, AL137538, UT2620, AL030321, A77033, A77035, AF179633, A08912, AL050024, AL122098, AL137648, AI12297, X96540, AF097996, AL137521, X98834, AL122110, X72889, AL137463, X70685, U55846, AF061943, AC004833, U80742, AL049283, AC004943, AL110197, AF087943, X65873, AC006115, AL122049, AC006222, X93495, AF111112, and AL133072.
HTWCH42	6262	713022	1-258	15-272	
HTWCK07	6263	953482	1-413	15-427	
HTWCL29	6264	740327	1-67	15-81	AF017104.
HTWCM36	6265	971129	1-758	15-772	AA215701, AA410338, AA406248, I47628, AA215700, and AA662185.
HTWCM56	6266	662321	1-549	15-563	AI760702, AF111105, U43186, AR008277, and AR008281.
HTWCN33	6267	577494	1-463	15-477	
HTWCN83	6268	573580	1-487	15-501	AC006502, and AL035692.
HTWCR25	6269	575959	1-324	15-338	AC008394.
HTWCSJ1	6270	967190	1-190	15-204	
HTWCT42	6271	713870	1-253	15-267	AL023096.
HTWCT61	6272	575975	1-447	15-461	AW027225, and AW027591.
HTWCX32	6273	669745	1-172	15-186	AA807061, and C01387.
HTWCY05	6274	920337	1-346	15-360	AL031595.
HTWCY69	6275	869553	1-356	15-370	
HTWDBT2	6276	835624	1-445	15-459	
HTWDFB2	6277	921697	1-411	15-425	AW239198.
HTWDH14	6278	669560	1-541	15-555	AA021481, AA001501, AA253163, and AW080520.
HTWDH75	6279	767368	1-479	15-493	

HTWDM43	6280	715352	1 - 413	15 - 427	AI240780.
HTWDN01	6281	916680	1 - 325	15 - 339	
HTWDN17	6282	664115	1 - 331	15 - 345	
HTWDQ60	6283	575939	1 - 92	15 - 106	
HTWDS35	6284	697825	1 - 393	15 - 407	AI633883, AI478126, AW002533, AC004815, and U88834.
HTWEA6I	6285	965453	1 - 541	15 - 555	AI038664, AI051237, D82747, AI372493, AA302328, T48533, AW163010, AW275741, AW292131, AW149580, AW021288, AA148318, AA329440, AW270647, R12857, AA862706, AA342697, I27330, AA719948, T79010, AI026832, T69962, AA176086, AI676163, T69912, AA386145, H20632, T24661, AA337850, AA349447, AA595861, AA373966, AA355685, AW270806, N84238, AA199620, AA090164, D31885, AF223953, and AF172088.
HTWEC63	6286	735003	1 - 258	15 - 272	
HTWED17	6287	663714	1 - 377	15 - 391	
HTWED28	6288	686698	1 - 386	15 - 400	
HTWEG12	6289	970538	1 - 356	15 - 370	
HTWEH16	6290	661860	1 - 213	15 - 227	
HTWEJ14	6291	792648	1 - 451	15 - 465	
HTWEM37	6292	449136	1 - 472	15 - 486	
HTWEM63	6293	745024	1 - 334	15 - 348	Z99714.
HTWER78	6294	836799	1 - 460	15 - 474	AW364808, AI559215, AA923746, AA836012, AW327798, AI335646, AA724748, AA009478, AA452221, AA620709, R79719, and AA422169.
HTWES75	6295	767257	1 - 255	15 - 269	
HTWEU29	6296	711673	1 - 525	15 - 539	R53304, AW003115, R24971, Z45348, R06583, AA354539, R00344, F08048, AW175634, T89050, AA352746, H67220, AA344337, AA300562, T79104, AA315109, H51867, AW404159, AF069984, and AF069987.
HTWEX09	6297	625458	1 - 280	15 - 294	
HTWEX18	6298	666305	1 - 488	15 - 502	AC006389.
HTWEY30	6299	918641	1 - 704	15 - 718	AA059489, AW075945, W39013, AA040567, AI096342, AI268275, AA293239, AI200654, AI589359, H01352, AA505695, AI809808, AA873453, AA770600, AW005912, AI801978, AI698096, AA281486, AI703059, AI916594, AI703132, N90227, AW007805, AI459224, AI694044, AI744499, AI279707, AA827910, T58767, R32147, AI375599, AI630768, AI040897, AI697705, AA604916, W58385, AA487704, AW027528, R32148, AA406413, AI804406, AA625413, AI193139, AI377494, AI218362, AA410354, AA403249, H13466, H26699, AA411298, AI393731, AI936297, AI366815, N34404, AI694262, AI189875, AW072309, AI420673, AI375598, AI245296, AA911276, AI301717, AI580797, AI348624, AA989442, AI342929, AA478946, AA468790, AA406322, T94659, AW015590, R82573, AI142053, AI245287, T94308, AA034416, AA856758, AI369708, R64474, AI298484, AI132919, R08179,

HTWFB37	6300	708908	1 - 150	15 - 164	AA968824, AI919216, AA045499, R66761, AA301164, N40439, AA862267, H12482, AW075870, AA909426, N26406, H01306, R65586, AA330943, AA988873, R32091, AI074686, AA700656, AW085943, AA281713, AI784080, AA960464, AI473229, N48474, R82516, D45627, AI622296, AI693569, AI494115, R65578, R66489, H13422, AA889103, AA171756, AA487490, AW166636, AA908352, AA909799, AA171994, D59192, AF036549, and AF036548.
HTWFB75	6301	767253	1 - 400	15 - 414	AI120304, AL042433, and AL119941.
HTWF46	6302	869499	1 - 415	15 - 429	T12305, and AC004765.
HTWFG44	6303	935270	1 - 581	15 - 595	AI828449, AI300539, AI624022, AW076128, AA733063, AA161130, AI076905, AW271222, AW276047, AI687613, F25075, AW243801, AA570095, AI248876, AI123429, AA099709, N78559, AA612778, AI692287, AI272255, AI002324, C75244, AI758604, AI524505, and N73712.
HTWFI19	6304	668579	1 - 346	15 - 360	AL132992.
HTWFK15	6305	869498	1 - 282	15 - 296	AL131733.
HTWFM20	6306	917272	1 - 522	15 - 536	AL031733.
HTWFN64	6307	757593	1 - 520	15 - 534	AA599080, Z82206, AC005971, D87675, AL133243, AL031432, AP000113, AC004882, Z98884, Z98946, AC005971, AC005015, AC006530, AC007766, AF165926, AC005081, L78810, Z83826, AC002375, AC004447, AC000085, AL034548, AC005387, AL079342, AP000346, AC005089, AC006960, Z99716, AC004491, AF045555, Z98051, AL023553, AL121653, AC002126, AC000039, AP000045, AC002425, AC005736, AC007292, AL121769, AP000555, D84394, AL080242, AC006130, AP000511, AC004000, AC006538, AC006468, AC007546, AL135744, AL050332, AC005180, AC005874, AF134471, AC005793, U95740, Z95152, AC002470, AC005335, Z93930, AL050307, AL096763, AC005933, U91326, AP000088, AL022476, AC000026, AC005622, and AC002544.
HTWFO63	6308	658473	1 - 144	15 - 158	AA608873, and AA722048.
HTWFP14	6309	869489	1 - 356	15 - 370	
HTWFP33	6310	916562	1 - 670	15 - 684	
HTWFP53	6311	721768	1 - 391	15 - 405	AC008116.
HTWFR17	6312	663697	1 - 380	15 - 394	
HTWJA24	6313	954881	1 - 524	15 - 538	AA634223, and AA018611.
HTWJA59	6314	812705	1 - 266	15 - 280	AA759184, F36373, AI348731, AI049986, AW074398, AW075915, AA732212, AL040462, AI611902, AA579278, AL119259, AI284467, AA078483, AI205181, F28576, T69214, AA730362, AI569086, AW274197, AW265197, AI624528, AI753365, AW088049, AI079910, AW161495, AA484262, AI814820, AA595841, AI021044, AW161522, AW160880, AA747889, AI170645, AI042856, AA366035, AI053477, AW021917, AW264969, AI205126, AA641103, AW087946, AL040913, AA167741, AI925040, AL046746, AL041450, Z99394, AA504951, AA878140,

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HTWJA83	6315	780990	1 - 318	15 - 332
			AP000354, AC003029, AB011135, AP000300, AC007023, AL121655, AC004662, AC006356, AC005829, Z98745, AC006459, AC004090, AL132777, AC006013, AC006207, AC005251, AL034421, AC004783, Z68323, AC007617, AL021134, AL022319, AP000475, AL020995, AC004087, AC003086, AP000566, AL049539, AC006538, Z97253, AC003664, AC004647, AC004021, AC007358, AC003035, AC004449, AC005940, Z98946, AL133163, Z47046, AL133246, AL022313, AC005372, AP031078, AP030876, AC004460, AL035684, AL049553, AC005566, AL035400, AC004596, AC002395, AL031650, AL078476, AL049636, AP000248, AP000153, Z95114, Z48051, AC004417, AP196779, Z84483, AC008163, AC007226, AL023579, AF130343, AP000012, AC004800, AC004544, AL023284, AC004623, AL049835, AL031589, U29895, AL049838, AC005412, AC006500, AC006241, AC004472, U76568, AC004834, AP000152, AP000010, and AC004525.	F00717, D58893, AA129219, AI185580, AA548890, AI282793, AA843779, AA318189, F35649, AA501649, AI929746, AA514020, AI929738, AW162887, AA525508, AA984187, AL504053, AL049671, AH70431, AI524360, AI311684, AW401658, AA641122, AA588667, F17632, AA503119, AA468022, AI470437, AA714110, H64265, AA581471, AW022897, AI634187, AI457313, F17142, AI610376, AI932600, AW084258, AW131249, AA527209, AI133164, AL045813, AI886008, AA668340, AI857836, AW080777, AW118304, AA846990, AI310780, AA314877, AI356440, AI344957, AA676971, AA321168, T07039, F25733, AA858372, T02965, AA745373, AI350905, AA149724, AI219169, N23896, W39141, AI720195, AW069227, AI216151, AA305154, AA613624, AW150561, AA136577, AA653240, AA558560, AW405054, AI836102, AI581193, AA297666, AI460009, R49657, AI036830, AI356464, AI817976, AW080440, AA455483, AI110595, AW130093, AA129563, AA577824, AW402817, AI669046, AW025074, AI223987, AA402129, AL134703, AW178018, AA574077, AW177870, AA101113, AA553363, AA707735, AA747305, AA580568, AI559564, AI859284, AA569183, AI681568, AI367473, AA228459, M78140, AA351753, AI431240, AA405453, AA908224, AA775173, AA180327, AA018823, AA489571, W26032, AL119921, AA179350, AL119158, T47084, AA972809, AC006953, AL121593, AC004552, M87921, AL033543, AL021391, AC004648, AL121652, AC004257, Z97205, AF152365, AB000658, Y07848, AP000504, AC000026, AL133233, AC002059, AC007040, AC006041, AL009183, AC008545, AC008506, AP000010, AP000152, AC006037, Z98742, AL008633, AC004655, AC002331, AC004970, AC010722, AC004551, AC007785, AC008080, AL023879, AL021546, AP001552, AC005086, AL034548, AL024473, AC004962, AF135025, AC005568, AD000091, AC004517, AP000275, Z81364, AC005031, AP000105, AP000037, AC002530, AC007880, Z84466, AC004999, AC004520, AC020663, AL035070, AC002091, AL133448, AL021395, AR036572, U91328, L35485, AL121655, AC005486, AC004813, U91322, L09706, AP001137, AC005808, AP000502, AF019413, AC001231, AC004673, AC008273, AC003025, AF139813, AC004228, AR051479, AL031258, AC007707, AL033392, AC004834, AL033517, AL031295, AC004140, AC006211, AL137430,

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HTWJC43	6317	715081	15 - 400	1 - 386	AC007245.
HTWJC75	6318	767134	15 - 106	1 - 92	W52542, AA352300, AA492364, AA345395, AA523753, T40415, AA181184, AA664672, D53546, D53992, D54403, D54143, AA526619, D52804, AA180190, AA128647, AI301557, AA159647, AA603905, AW005462, AA528259, AW069480, AI309850, AA531360, AA533239, AW170190, AW188490, AW327933, AW327993, D54773, AA507186, AA847052, AI146688, AI081088, AW117656, AA327924, N99053, H88751, AI345372, AA532888, W32379, AW191222, AI560642, F27195, AI095409, AA804683, AI857391, AI676012, AA182619, N30675, AI300845, AI660588, R54410, AA081362, AI129527, AW023019, AA516100, AA528581, AA729056, AI205881, AA658829, AW328662, AW411459, AW276534, AA569578, AA484708, AA365665, AA809081, AI971289, AW245982, AA327606, AS3168, AW238115, AW262461, AW238188, AW274800, AW238160, AW238174, AW438505, T59573, AI521361, AI685587, AA602702, AI199869, AA885968, AV084835, AW006070, AI266606, AW327994, AA176964, AW238047, AW262180, AA551487, AA167322, AW328642, AW328735, AW327769, and AC005291.
HTWJC85	6319	757125	15 - 335	1 - 321	AI141508.
HTWJF59	6320	693116	15 - 362	1 - 348	AC004534, and AC004889.
HTWJF66	6321	576164	15 - 603	1 - 589	AA525764, AW167154, AA507601, AI887235, AI815583, M62259, F24745, AI816537.
HTWJF95	6322	745182	15 - 445	1 - 431	

AT97998, AI627917, AA558366, AI421257, AI049630, AA279919, AI058304, AI243789,
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AI598003, AA347341, AA171400, AA055647, AI919048, AI431513, H84412, AA493464,
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AA837035, AA593828, AI754653, AW021399, AA807704, AW020094, H85383, AI821055,
N25079, AA679523, AI282253, F35097, AA586667, AI589942, W45306, F04710, AI174827,
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AI73635, AA595661, AA729755, AI73212B, F02399, AA587835, AA445232S, AI049701,
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2175

HTWH57	6323	812698	1 - 342	AL035413, AL009051, AC003047, AP000031, AL035416, AF006752, AC004019, AC003025, AC004491, AP000134, AC005755, U80017, AC007842, AC007676, AC002432, AL031666, AC003109, AP000501, AL021546, AC005231, AP000347, Z83826, AC003310, AC005632, U95090, AL035249, AL034423, AF111168, AC005625, AC003663, AC006312, AC007382, AC006146, AC003688, AP006658, AL050318, AL046636, AL024508, AL121603, AF001548, AC006101, AP000704, AC007314, AC005620, Z46936, AC002492, AP00041, AL049631, AL121754, AF002223, AL049643, AC005180, AC005529, AC007227, AC006538, AC005067, AC007068, AL023721, AC005224, AP000687, AC005746, AP000502, AF111167, Z82203, AC005072, AL013445, AC005052, AC007421, AC006006, AL031155, AC005696, AC004655, AC005081, AC002425, AL133245, AC004770, Z83845, AL135960, AJ131016, AC002349, AL122020, AL049760, Z85994, AC007637, AC004966, AC007182, AC005037, AL960701, AF031078, AC005266, AC002997, AP001054, AP000505, AP000514, AC005225, AC009501, AC022517, AL133371, AL034429, AL035681, AF030876, AC005229, AC007338, AC002996, AL022311, AC007385, AC006271, AC005480, AB022785, AC006455, and AP000023.
			15 - 356	AJ061313, AA551798, AW022796, AA743968, T61477, AI636734, AA604831, AI271762, AA054418, AA598605, AI538236, AA573000, N51140, H57752, AW002330, AA57812, R33091, AA229979, AA229823, F17537, AA402609, AW268322, AA828360, AW069227, AL041375, AA472776, AW341823, AA534765, AA077619, AI889579, AA626829, AI679759, AI886736, AL052776, AI183390, AA249365, AI082353, AW265279, AW265276, AL340700, AA084148, AA472776, AI133942, AA440568, AI354333, AI251944, AA342238, AA516025, R39533, F35684, AA51921, AI45373, AA43052, AI25052, AI251034, AI25470, AA284543, AA142659, AA678932, AI054090, AI133514, AI049630, AI634187, AI246061, AW081610, AW211917, AW265688, AA568204, AA557740, AA483606, AA302812, AI457313, AA480486, AA554404, AA469230, AA371410, AA302978, F17700, AA502825, T03928, T30251, AL120141, AA557982, AI189682, D51877, AW265339, AA715983, AA135938, AW237905, AI217131, AA551962, AA599080, AW242031, AI889995, AA483583, AI114733, AI133552, T94072, AA251284, AA251203, AI123291, AW273146, AA223626, AI249853, AI251241, AW340905, AA468494, AA150125, AA46519, AI04954, AW301483, Z9884, AI022316, AC004941, AL035086, AA089181, AC005046, AC005996, AI121603, AC005060, AL031120, AC004253, AC000351, AC005102, AP000502, AL031733, AC004895, X87344, AC005180, AL031290, Y10106, U80243, AC005089, AC005828, AC005031, AF196969, AF001549, AC004922, U95106, U93139, AC007200, AC004757, AC002316, AC005264, AC002312, AC007546, AC005685, AL135684, AA152797, AA049569, AC002038, AL089031, AC002326, AC005730, Z75888, AC006960, AC002663, AA14976, AC004534, AC004369, AF064861, AC006211, AC001228, AC002550, AF017104, AC005344, AC006241, AC003029, AL033376, AP000279, AC006141, Z77852, AP000691, AC003684, AC004383, AC004683, AC004887, AP000106, AP000038,

HTWIL91	6324	789487	1 - 533	15 - 547	AC007387, Z75887, AL122020, AF019413, AC002307, Z95114, AC006966, AC004933, AL049869, AL033071, AL031685, AF129756, AC002544, AC004878, AL031005, AC007225, AC005053, AC006014, AC005871, AC011456, L77570, AC002350, AC004841, AC000379, AC005539, AL020995, AL13163, AC005295, AL035209, AF134726, AC006049, AC007792, AL033587, AF176315, AC005071, AL121694, AC008151, AL109952, AP000131, AP000209, AF045555, AC004938, AC004477, AC002549, AC007298, AC006064, AL031577, AL121653, AC004000, U80017, AC006965, AL096701, AF015416, AP000248, AC006511, AL109680, AL035462, AL121658, AC007687, AL049697, AP000014, AP000694, AC005225, AL035457, AC002477, AC005081, Z98036, AL133246, AC007283, AC002430, AL096755, Z33851, Z86690, AC005482, AC006146, AL050348, AC004821, AC006044, AL079295, AL133245, AP000023, AP000355, AC005406, AC007384, AC004531, AC002425, AC007036, AL139054, AC004953, AL049636, AC006270, AL109627, AP000504, AC005800, AL008634, AL049709, AL246003, AL034351, AD001502, AL078472, AL035684, AL034423, AC008044, AC002265, Z68756, AL031728, AC005924, AL049856, AC007226, AP000104, AC006084, U80459, AC005913, AC004967, AB003151, AP000688, AC005516, AL030996, AC000003, AL022165, AC006160, AC002089, AC005288, U47924, AL031295, AC005920, AL034418, AC005370, AC005594, AL096816, AC005484, AC005874, AF134471, AC006538, AC002112, AC007285, U91321, AC005358, AL031433, AC005832, AC005041, AC016831, AL050350, AC005370, AF015262, M89651, AC006581, AC003080, AL031729, AF006501, AL132712, AC005049, Z98941, AC004985, AL034395, AC005037, AC004130, AC009516, AP000208, AP000114, AP000046, Z98047, AL034400, AC005527, AC005704, AC004019, AC005696, AC003663, AC005200, AC007880, AC002551, D87009, I34294, AI229043, AC005666, AC005015, and AC004491
HTWJM05	6325	850055	1 - 403	15 - 417	N91175, AA608905, and AI918281 AA649642, AA652057, AA441788, AI653905, P25867, F16274, AW088058, AI352078, AA601893, AA493170, AA093511, AA947370, AA553465, AA371367, AW265253, AW236342, AA649705, AA125738, AI110708, W341900, AI076616, AA195545, AA36429, AI284640, AI281881, AF819195, AA573391, AW089322, AA347927, AA347930, AA845813, W95841, AA355281, AA384741, AA917683, AW406447, AA808928, F34510, AI281903, R13151, AI282336, AA463831, AA831375, AI434695, AA381838, AA229785, AA325699, AI246796, W79504, A709365, AA713891, A352803, AA64238, AA51152, AA179792, AA551201, AP000555, Y18000, AC005529, A533458, AF017257, AC004638, AC011592, AF227510, AC005694, AP000141, AC004683, AC005901, AI121653, AC005415, AC005480, AL022238, AC005209, AC005071, AC005940, AC01070, AC004854, AC002250, AC002300, AF111168, AL096701, AC008039, U95740, AC006040, AC006468, AC005081, AF130247, AC005899, AF130342, AC008055, Z82189, AC005295, AL049834, AL03402, D87675, AP000459, AL121652, AI251973, AC004167, AL049835, AL109654, AL031666, AC008079,

HTWJO45	6326	717592	1 - 179	15 - 193	AC004967, AC006581, AC005414, AC006373, AL021937, AL109984, AC003035, AL023553, AC006543, AC008041, AC004799, Z82198, AC006538, AL023807, U02066, AC004659, AC004016, AC008101, AC005799, AC006432, AC006596, AL031577, AC004076, AC005324, AC005699, AC007387, AC007227, AC004474, AC003049, Z99716, AC007207, AC006207, AL008715, AC005829, AC005018, AF001552, U95743, AC005754, AL03174, AC004242, AJ229041, AC005915, AF000115, AC011421, AC002558, AF000111, AP000043, AL133371, AC004894, AC007386, AC002457, Z84476, AC006544, AC010205, AC005205, AC006511, AC004875, AC002365, AB023956, AC006111, AC005031, AP000959, AC007917, AP000359, AC005696, AL096791, AC006487, AC007073, AL034554, AL121157, AF178030, AC007684, AC002432, AL021154, AP000953, AL035417, AC006011, AC007298, AC005821, M87917, AL031905, AC005070, AC003071, AC004796, AC002485, AF117829, AC018359, AC002543, AC009464, AC005154, AC005003, AL034549, AC004592, AL035422, Z83987, AL049779, AF205588, AB000660, Z95114, AC005251, AC002480, AP000238, AC004461, AC005043, AC006343, U30017, AC005053, AC005342, AC005548, AP000517, AC000120, AL031650, AL031311, AL033521, AC005922, U07000, Z84484, AL031387, AF200465, AL034451, AC007462, Z72519, AC006996, AC004925, L44140, U91321, AC006079, AC005166, AC004388, AC005905, AL022318, AC005682, AC005544, AC004613, AC007055, AC005881, AL031542, AL049869, AC004412, AC006313, AC004947, U14689, AC007488, AC004690, AC007429, AL133241, AC004056, AC005529, AF093117, AB000862, AL031053, AL031295, AC004905, AL121603, and AC007057.
HTWJQI9	6327	668466	1 - 329	15 - 343	AA904337.
HTWJY82	6328	698335	1 - 116	15 - 130	AC005730.
HTWKG30	6329	691882	1 - 125	15 - 139	AC004815.
HTWKNS3	6330	728014	1 - 256	15 - 270	AW162799, AW163173, AW163179, and AI003011.
HTWKT61	6331	709451	1 - 104	15 - 118	
HTWKX27	6332	574092	1 - 423	15 - 437	T99930, F16198, AW023111, AI870453, AA225406, AW272294, AI858889, AI635028, AA224593, AI567391, AA493947, AI923451, AI587467, AI192440, AI628859, AI860751, AA297011, AI572680, AW168103, AA077619, AI923458, AI120004, AI272649, AI938390, AA384890, AA553404, AA225938, AA722336, AA551056, AI439393, AA425924, AW105737, AA526643, AA320105, AA663074, AA612727, AA470578, N52564, AA904211, W81372, AA650447, AI358712, N36994, AI609972, AA487300, AI789407, AI421257, AA309634, AI792439, N95156, AA570441, F17537, AW162227, AW157731, I56891, C96142, AA598736, AC005037, AC005920, AI008635, AI035685, AC003687, Z98200, AL121652, AC006515, AC007676, AL035071, AC005531, AC007707, AL031311, AC006060, Z84469, AF128525, AL096763, Z86090, AL020997, AC005318, U91321, AC007993, U96629, AL049776, AC007688, AC007226, AL135783, AL031665, AC006020, AL109758, AC005488, AC006449, AC007225,

2178

HTWKZ04	6333	614980	1-430	15-444	AL021393, AC007182, AL035684, AL049795, AC008009, U91322, AC005887, AC005412, AL024507, AC005874, AF134471, A229042, AC003663, AL133396, AC003109, AC000353, D42052, AC004067, AC002312, AC005002, AC005800, U91318, X76498, U73643, AL049643, 297632, AL050308, AC003041, AL050321, AC004605, AC005666, AL035400, AC005220, 235996, AL023513, AC005790, AL035658, AL109963, AC005335, AC004966, AC007437, AL031447, 295515, AC006509, AC004655, AC005516, AL049761, 268277, AL034379, AL049745, AC006120, 297196, AC002994, AL021578, AC006211, AL021323, AC002350, AC004858, AC006347, AL049872, 295116, AL096791, AF03453, AF029308, AL031055, AC004927, AC004104, AL109865, AC005015, AL009051, AC007066, AC008731, AC005500, AL121603, AL049994, AC009509, AC004883, AL122023, AP000013, AP000045, U82668, AC005156, AC004859, AL049766, 283822, 298044, AP000288, AP000109, AP000004, AC005342, AL033527, AC005235, AF001548, AC004813, AC004401, AL021392, AC005803, AP053356, AL049743, AP000355, AC002542, AC002988, AC005777, AC005255, AC002314, AL031767, AL136504, AL049198, AC004900, L78833, AL033400, AC005921, AC008134, AC002347, AC006006, AC004084, AC004973, A011930, X87344, AC004099, AC007685, AC005971, AC005179, AC005088, AC002126, AC008015, AL049939, AC007057, AC004491, AC006450, AC004760, AC006537, 299289, AC005304, AP000553, AL033376, U95743, AC009516, AL035703, AC004953, AC005512, AC009363, AC002385, AF064861, AC007686, AC003957, AL109759, 298946, AB000660, AB000565, AL049591, AF196972, AC005011, AC003683, AF003626, AL049869, AL049712, AC005207, AL050320, AF031076, AL031651, AC016026, AF031078, AF030876, AC006111, AL133485, AL035681, AF038458, AC005085, AC004253, AF149773, X55448, AL096767, AC004938, AC005154, AC007842, L44140, 284466, 288205, AC002369, AC004100, AL034376, AL121757, AC003010, AC004887, AC005899, AL033392, AL035423, AC005660, U91326, AC002544, AC005180, AC004805, AP000295, M57965, AP000700, U89335, AC005335, 283823, AC004098, and AC006965.
HTWKZ17	6334	529749	1-351	15-365	
HTWLD37	6335	841951	1-491	15-505	AL045209, AL138331, AL080135, and AC004810.
HTWLG13	6336	656772	1-325	15-339	
HTWLG76	6337	795694	1-527	15-541	AI126506, AI200037, AW024969, AW020616, AW450603, AI695490, N26904, AI217597, AI829099, AA568193, AA605122, AA74314, AI605331, AI128843, AI128841, 325625, N24885, AI123534, AI802647, AA648514, AA724493, AI219599, AA806507, H86995, AA729125, AA568681, N36303, AI032141, N34223, AA768761, N35103, N26781, R73137, AW229649, N25653, AA543074, W52651, AW455038, AI674252, AW45862, AA988539, AA296449, N28403, AW074182, AI805445, AW236299, AI361669, AI299683, AI452444, AI039557, AI141901, R26304, N72137, AI984739, N34254, AA358828, AA653691, N20053, N39790, H86994, and W00385.

HTXAK52	6338	869460	1 - 251	15 - 265	
HTXAK78	6339	530137	1 - 335	15 - 349	
HTXAO23	6340	676386	1 - 119	15 - 133	
HTXBF75	6341	963029	1 - 312	15 - 326	AC008039.
HTXBH24	6342	418592	1 - 231	15 - 245	
HTXBJ36	6343	529759	1 - 219	15 - 233	
HTXBJ92	6344	706472	1 - 492	15 - 506	AA694368, AI076400, AI911488, and AL135714.
HTXBK75	6345	869401	1 - 159	15 - 173	AC004472.
HTXBN83	6346	781443	1 - 236	15 - 250	N28694, and AL049779.
HTXBO11	6347	967750	1 - 387	15 - 401	AC012627.
HTXBO21	6348	869461	1 - 320	15 - 334	Z77852.
HTXBO51	6349	970855	1 - 726	15 - 740	AA954908, AA234392, AA554743, AA232663, AA641221, and AW029502.
HTXBX49	6350	529662	1 - 225	15 - 239	
HTXBX77	6351	529661	1 - 341	15 - 355	
HTXCB32	6352	529615	1 - 431	15 - 445	AA134057, W60233, X81403, AF008203, and U96109.
HTXCL28	6353	952022	1 - 165	15 - 179	AC005730.
HTXCU76	6354	765655	1 - 576	15 - 590	AA213831, AC002472, and AC007664.
HTXCW16	6355	522365	1 - 253	15 - 267	AL021393.
HTXCW27	6356	491257	1 - 564	15 - 578	
HTXCX05	6357	932476	1 - 289	15 - 303	
HTXCY16	6358	537413	1 - 219	15 - 233	
HTXCY84	6359	924996	1 - 229	15 - 243	
HTXCZ16	6360	537485	1 - 439	15 - 453	N99159.
HTXDG37	6361	968886	1 - 552	15 - 566	AI693917, AW295593, AA831020, AW302412, AA976179, AA765705, AA731457, AA350911, AA810783, AA732410, AA928152, AW30453, AA906028, and AI695679.
HTXDI51	6362	537474	1 - 262	15 - 276	
HTXDO50	6363	537487	1 - 426	15 - 440	
HTXDQ25	6364	869369	1 - 365	15 - 379	
HTXDS80	6365	869435	1 - 70	15 - 84	
HTXDW14	6366	966588	1 - 1237	15 - 1251	AI829096, AA642981, AW152343, AW251072, AI871224, AW071985, AI978921, AI623713, AI762266, AI677795, AW117876, AI494363, AW009386, AI672747, AA458937, AA543002, AI660303, TS7200, AA236101, AA653968, AA889703, AI633328, AI566555, AI568693, W49620, AI129215, AA752435, AW072937, AI424429, AI686112, AI659610, W48794, AA903402, AW407304, AA676879, AA027201, TS5953, AI220314, AI538498, AA084808, AW009784, AA235819, H62064, AW083416, AW087223, AW068082, AA121077, AA084809, H45963, AI650521, AA027200, AA459151, H61158, AA399478, AA293409, AA454941, and AI918169.

HTXDX61	6367	784768	1 - 411	15 - 425	AW403861, AW408474, and AI023755.
HTXDX82	6368	931113	1 - 552	15 - 566	AC004895, AI096791, AC006023, AI049758, AC005837, AL031651, and AC004834.
HTXDZ01	6369	921486	1 - 301	15 - 315	
HTXEA41	6370	974530	1 - 408	15 - 422	I78301, and AI022328.
HTXEA62	6371	812833	1 - 372	15 - 386	AW405413, AA53813, and AA381548.
HTXEC53	6372	529755	1 - 500	15 - 514	AA176859.
HTXEE70	6373	537405	1 - 272	15 - 286	
HTXEM54	6374	764221	1 - 455	15 - 469	AI936768, AI356580, AI143875, AI445933, AI623391, AI091508, AI016436, AA843275, AI634953, AI097033, AI434882, AW383962, H59109, AI923443, AA430386, AI127186, AI343898, AI075102, N92435, AI950068, AW000389, H45798, AW016266, AA749379, AA421159, W52668, AA557505, AI397847, C05210, AA975241, AI420624, AA746044, N94429, N71146, N41774, AA680312, H72570, R81293, T81890, AI074236, AA405225, H65279, AA514243, AA448899, AA838218, AI815068, AW152092, AI160804, AA935040, AA284883, AI816986, AI380091, AA041377, AI024256, AA931271, AI278531, AI074208, AA287368, AA653509, AA873636, AA477128, AI367990, R89302, AI808213, AA825323, AA126677, AA464570, F35772, AI817348, AI744978, AA832261, AA612964, AA708347, AA659795, AI346987, AI720049, AW044578, AW172820, AA588835, AI635843, AA081185, AA477374, AI929800, AW017157, T50155, AA039332, F25719, AW000379, W74217, AI934851, AA436429, AA427865, AA806434, N32773, AA287506, AA429288, AA081295, W15647, AA085871, AA568565, AA129242, AA476577, AA489518, AI200308, AI364059, AA284614, R53178, AA954681, AW190970, AI241959, W30776, AA652668, AW328731, R82993, T83974, AA868075, AA385487, AA592907, AA464673, W52667, AA832337, AA129279, C05561, AW291918, AI459882, AA761016, AW301144, AA483524, AA678902, AI016411, W42626, AI383729, AA489517, T58548, AA368569, N70036, R89303, AA411549, AA041417, AI014648, AI279385, AW050747, R37644, R81187, R53087, AA039417, AW448949, N80829, H78214, H72970, AA127289, AI208609, AA386232, W44978, AI420322, W79938, AW089501, N41749, R24418, AI471390, AI219019, C01008, T51003, AI379130, AA291664, AJ011916, and AC003688.
HTXEP20	6375	537483	1 - 227	15 - 241	
HTXEP49	6376	722181	1 - 387	15 - 401	
HTXEP76	6377	527697	1 - 352	15 - 366	AA167183, AA481795, and AC005837.
HTXEQ05	6378	932471	1 - 223	15 - 237	
HTXET61	6379	537471	1 - 233	15 - 247	
HTXET67	6380	783784	1 - 275	15 - 289	
HTXET75	6381	664468	1 - 222	15 - 236	AC005630, and AC006328.
HTXEW14	6382	932437	1 - 206	15 - 220	

HTXFB03	6183	924995	1-304	15-318	
HTXFB78	6384	869408	1-272	15-286	
HTXFB95	6385	537399	1-320	15-334	
HTXFC07	6386	918644	1-594	15-608	AI24496.
HTXFD75	6387	537401	1-254	15-268	
HTXFE47	6388	790855	1-452	15-466	
HTXFF04	6389	615593	1-641	15-655	R99264.
HTXFF66	6390	973429	1-723	15-737	
HTXFF91	6391	780083	1-347	15-361	
HTXFI58	6392	557838	1-314	15-328	AW051648, AC002349, AC005040, AC006975, AC004131, AB020874, AC005243, AL109941, AL031393, AC006536, AC006062, AC002460, AF156545, AC006516, and AP000080.
HTXFK45	6393	523385	1-387	15-401	
HTXFN69	6394	869397	1-463	15-477	
HTXFQ65	6395	926534	1-569	15-583	
HTXFS95	6396	796025	1-228	15-342	AA084950, AL036549, T03401, AA558426, AA526343, AA009855, AA192293, AL048376, H38817, AI469384, T07225, AA303598, AA226770, AA642809, AA640310, AA745373, W04237, R48980, AW087226, AC020663, AB026906, U91120, AC005197, AW00011, Z98052, AC002425, AC007731, AC005500, AP000510, AC008115, AP000268, AP000102, AP000033, AC005535, AB023048, AC007226, Z93020, AP000563, AL022721, AC002310, AC005971, Z99716, M33132, AC006001, AC004765, AL033392, AP000133, AP000211, L44140, AC005837, AP000466, AF050154, AL049780, AC006544, AL050321, AL080243, AC007055, AF111167, AC005399, AL009181, AL021939, AC003108, Z93017, AL031602, AC002350, Z98750, AL096703, AC002546, AC005944, Z93241, AC002544, AC006948, AD000092, AC005280, AI003147, AC007276, AC003085, AC005763, AC006571, AC005932, AC005632, AC006121, AC002477, AC004686, Z83826, AL034451, AC003109, AC005519, AC005071, Z98200, AL035684, AL031311, AP000212, AP000134, AF030876, AF030876, AL021546, AC007676, AC005529, AL023575, AL133371, AC006023, AP000345, AC006125, Z69707, AC009247, AL133445, AP000088, AF031075, AC002094, AC003983, AC005940, AC006559, X55448, AL109827, AC004910, U91326, AC007462, AC002395, AL031662, AC002400, AC007057, AB020861, AC005049, AL035587, AL023880, Z98941, AC005291, AC005262, AC016831, AL117694, U63721, AP000555, M15366, AL121748, AC004583, AC007686, AC007114, AC005764, AC005902, AC005225, AC005516, AC003950, AC005531, U78027, AC005527, AL021977, AL021918, Z69942, AC008041, AL050318, AL022323, AL035464, AC005015, AP000553, AC003962, AL035422, AC005772, AL031848, AC003043, AC015853, AC003025, AC004596, AL009179, AL096791, AC007919, U91318, AC007283, AP000269, AC005033, Z99943, AC008040, AC006449, AC003072, U91323, Z97181, AC004024, AP000032,

HTXFT03	6397	924952	1-87	15-101	AP000103, AC007229, and AC006509.
HTXFT60	6398	923937	1-343	15-357	U61375.
HTXFV22	6399	537491	1-331	15-345	AC005057, and AF045555.
HTXGB20	6400	933878	1-86	15-100	AL034375.
HTXGB65	6401	577711	1-650	15-664	AA084084.
HTXGD30	6402	529724	1-173	15-187	
HTXGL73	6403	529745	1-229	15-243	
HTXGN76	6404	527016	1-487	15-501	AI148063, AA252523, AA297161, F12840, I74733, AI765490, and AL050283.
HTXGO74	6405	869391	1-70	15-84	
HTXGQ37	6406	575461	1-308	15-322	
HTXHA16	6407	661818	1-421	15-435	AA362857, R82020, R82878, and AA229827.
HTXHD24	6408	727469	1-266	15-280	N40823, AA366086, W42954, R70423, AA252002, AA306794, AA524713, AW245923, AA210862, AA093155, AA281810, R52220, N35269, AA258914, W57948, and AW328480.
HTXJA66	6409	698461	1-391	15-405	299716.
HTXJB15	6410	660059	1-301	15-315	
HTXJB35	6411	707768	1-342	15-356	T48959.
HTXJC65	6412	666565	1-310	15-324	AI364902, and AA665393.
HTXJE76	6413	744813	1-305	15-319	AL133243.
HTXJF30	6414	692607	1-442	15-456	AA834596.
HTXJG06	6415	933230	1-516	15-530	Z84483, AI022151, and AC004456.
HTXJG19	6416	974010	1-355	15-369	
HTXJG23	6417	675315	1-521	15-555	AI134541, I441036, R33553, H42427, AW374362, AW374429, AW374421, AW374386, AW377436, AI743773, AW189062, AI743778, and D80002.
HTXJG53	6418	752160	1-1038	15-1052	T03401, AW340825, AI679753, and AI446158.
HTXJH73	6419	582143	1-357	15-371	AI929622, AW163374, N26287, AI698163, AI808675, AI499009, AW085191, AW025963, AI755143, AA781965, AI937942, AA778160, AI928943, AW157001, W84345, AW368475, AW275950, R99189, AW275930, AA906459, AA697616, AA905622, AI142546, AA703929, AA226492, AW157319, AA018804, AA084374, AA488608, AI879125, R99188, H80954, W84318, AA088835, H09853, T57108, AA221003, N39466, T11253, AW369153, AT738969, AW452770, AA045453, AA214461, AA149728, N36179, H80858, AL045542, AI470608, AA149794, N44167, AW069420, AA377776, AW237362, R78054, F00825, AA310214, AF112206, AF152463, AP203689, and M83680.
HTXJI68	6420	912611	1-541	15-555	
HTXJJ55	6421	959169	1-377	15-391	
HTXJK23	6422	675782	1-424	15-438	

HTXIL01	6423	916254	1 - 732	15 - 746	AA411753.
HTXIL02	6424	919691	1 - 469	15 - 483	AA436940, AI884861, W00387, AA488508, T56025, F35684, AA502125, AA857812, AA513219, AL031287, AL034562, AL031133, AL031729, AO007540, AB007960, AC005681, AF134726, AC005480, AL035072, AL132777, AL035740, Y10196, and Z82189.
HTXIM73	6425	783572	1 - 387	15 - 401	AC005562.
HTXIN04	6426	566887	1 - 574	15 - 1588	AI278972, AI355007, AI613761, AW089589, AI476049, AA644090, AI254779, AA084609, AA833896, AA833875, AW302017, AA613624, AW007662, AI732720, AI061313, AA077737, AL047429, AW150226, AI249473, AT34119, T57767, AA077637, AW169038, AI049534, AI891070, AA487209, AL096712, AC005519, AC004000, AC005620, AF001549, AC006121, AI246003, AL122020, AC005577, AC004816, AC006064, AC080243, AC004797, AL113245, AC005231, Z85986, AC005225, AC004821, AC007226, AL031311, Z93241, AC005736, AL035420, AC006958, AC002303, U85195, AC007917, AP000503, AL031284, AC002378, AC003982, AL121658, AF111168, AF196779, AC005859, AE000658, AC005755, AC007376, AC005837, AL096791, AL020993, AL139054, AF053356, AC006480, AC004596, AC005921, AL020995, AC006312, AC003101, AC005863, AC006530, AC007999, AL035685, Z84469, AC005829, AC005261, Z86090, Z98036, AP000133, AP000211, AC005004, AC000026, AC004491, AC005300, AL117330, AP000553, AL050307, AC005057, U62293, AC002059, Z99716, AC005839, AP000555, AL031281, AL117337, Z94801, AF200465, AC007216, AC005102, AL035683, AC002369, AL035086, AC005488, AL109627, AC016025, AC006388, AC007845, AC007993, AC005399, AL031588, AC004799, AC008151, AL035659, Z93017, AC005206, AC004686, U95742, AC005514, AL031005, AC004876, Z95152, AC007686, AC004217, AC002350, AF196971, AC005971, U93305, AC006211, AC006124, AF111167, AC004106, AC004841, AC004659, AC005015, AF038458, AL117258, AC004584, Z97876, AF176815, AC002996, AC002470, AC004991, AC006071, AC006050, Z98051, AL022237, AL022320, AF205588, AL031136, AL049839, AC005529, AC004883, U62317, AC005037, AC007537, AC005632, AC007774, AL024498, AC000052, AC005667, AC006581, AC006080, AC005527, AC004084, AC006571, AC002425, AC006013, AC005920, AP000030, Z15025, AC004099, AL031774, AC005280, AC005670, Z84480, AF134726, AL109984, AC002477, AC004382, AC005081, U91321, U89335, AC002300, AB023049, AC005291, AC004598, AL022238, AC004805, AC004895, U96629, AP000694, Z85987, AF010238, AC005089, AL109801, Z97056, AP001052, Z98941, AC012384, AC006515, AL121603, AF109907, AL135744, Z84466, AC002551, AC002312, AC005391, AL049757, AL132712, AL035079, AC004386, AC005031, AL050321, AF064861, AL031685, AL022315, AC009247, AC007030, AL031680, AC005778, AC002314, AC007536, AC004520, AL021154, AC005005, AC005821, AC007371, AC005581, AP000097, AL031683, AL031602, AC000353, AF047825, AC005516, AC006930, AP000117, AL049795, AL023553, AF190465, AL133448, AL031651, AP000557, AP000299,

HTXJN68	6427	752940	1-362	15-376	AL133445, AC008040, AL096701, AC002543, AL049758, AC006544, AC002544, AC004913, AC007055, AL031447, and AC004231.
HTXJO34	6428	703973	1-216	15-230	AW401809.
HTXJO61	6429	663153	1-535	15-549	U73636.
HTXJO85	6430	869123	1-575	15-589	AA634244.
HTXJP28	6431	974315	1-601	15-615	AC002303.
HTXJQ73	6432	719077	1-539	15-553	
HTXJR67	6433	739586	1-168	15-182	
HTXJS64	6434	746481	1-589	15-603	
HTXJV49	6435	867083	1-852	15-866	AW005663, AW071763, AI589576, AI421189, AI073924, AI421482, AI417338, AI885651, AW129633, AW206726, AI374763, AI253156, AI138654, AI198796, AI278638, AI865555, AI201794, AW245078, AI675781, AI078333, AI283026, AA550952, AW005870, AW001162, AA782579, AI040632, H09745, AA223086, AW246209, AI931459, W73383, AI124006, D60111, AA602382, AI183736, AA256089, T79631, AI269764, W73444, AI284851, AI784306, AA911501, AW169802, AA865002, N92173, H09833, C14754, AA20662, AA830231, AI128560, T79716, AA137269, AW169019, and AC007637.
HTXJW56	6436	859854	1-466	15-480	AL031005.
HTXJY51	6437	872233	1-259	15-273	
HTXKB42	6438	841986	1-348	15-362	AI219169, F24728, AA714011, AI466009, AA484164, AA583394, AA584125, AI833896, AA608645, AA833875, AA084609, R60935, AI273847, AA228459, AI561210, M87890, AC004859, AP000251, AL031311, AP000212, AP000030, AP000134, AC005228, AC004383, S42652, Y18000, AI022313, AI022322, AC005225, AC007216, AP000501, 282203, AL035587, AC005089, AC005746, AC004150, AC005037, AL035683, AL020997, AC005694, AI021407, AC005529, AC002544, AC005207, AC005088, U52112, AL031295, AC004801, AC005081, AC005971, Z85996, AC004662, AL133163, AC009044, AC004817, AC005320, AL049569, AI020995, AC005015, AC006057, AC005913, AC004832, AC005837, AC004477, AC000029, AC002059, AL049836, AC004929, 297353, AC005476, AC006449, AF030453, AL096791, AC008044, AL035530, AL080243, AI049776, AC002310, AC005914, AL049636, AC002364, AC004139, AL008726, AL040779, AC004263, AL031680, AC009721, Y12855, AL133245, AC006050, AC009516, AC005257, AC002425, AC007129, AC000120, 293928, AC004659, AC004883, AC005484, AF038458, AL121653, AC004834, AL135744, 298946, AC002543, AC007676, 297196, AC005346, AL024507, AC005225, AC005190, AL034402, AL133353, AC006254, AC005324, AC007298, AL096701, 286090, AL034420, AL031984, AL109984, AC006539, AP000299, AC002994, I59642, AC007435, AC004216, AC002519, AF196969, AC010582, AC005291, AC006441, AC016025, AC004000, AL121603, AC005696, 295116, U78027, U52111, AC004805, AC007198, AC005668, AF031078, AC002076, AC005899, AC005839, AC004598.

HTXKC23	6439	529756	1 - 229	15 - 243	Z95114, Z99257, AC005800, AF030876, AC008041, AC006088, L39891, AC007993, AC006950, AC005274, AC005377, U91326, AL023316, AC004851, AC003010, AB023048, AC006480, AL049839, AC005071, AC004636, AC004955, AC004948, AL122020, AL008718, AC005568, AC005261, AC005184, AP000704, AC004985, AC005355, AC002352, Z93834, Z83838, AP001053, AL031666, AC004991, AJ003147, AL035659, AL035422, AL031667, AC007785, U96629, AC005740, AC006101, AC007388, AC004039, AL109798, AP000045, AP000113, AC006211, AP000691, AF053356, and Z70280.
HTXKD62	6440	743435	1 - 272	15 - 286	AC004242.
HTXKH47	6441	720186	1 - 342	15 - 356	AL031774.
HTXKI93	6442	796245	1 - 251	15 - 265	W04224, AA134651, AL036175, AW249082, AW410595, AI929697, AW162954, AW161591, W26888, AA339543, W00383, AA219343, and F12127.
HTXKJ55	6443	671285	1 - 503	15 - 517	AA531436.
HTXKI58	6444	574788	1 - 570	15 - 584	AB002344.
HTXKJ89	6445	767234	1 - 373	15 - 587	
HTXKJ95	6446	795788	1 - 338	15 - 352	H83011, AA973913, AI089968, AI088759, AW026427, AW071109, AA625565, AA344666, AL110391, AA984920, H81181, R09127, R13548, AI090576, AA528641, R96693, AA782301, AW188869, AI187148, AW438662, AI570019, AW438850, T86740, N92157, AA991990, T98482, AA714910, AW075881, AL118625, AA302690, AL038963, AA489860, AA833828, AW022934, AW021161, AA491438, AA654212, AL134009, AA350595, AL134586, H90688, AI336398, AA501781, T08205, AC007182, AF031076, AC004685, AL049795, AP000512, AL031774, AC004883, AF111167, AF031078, AL031905, AF030876, AL022316, AC000085, AC003109, AC006023, AL117258, AC005200, AL078596, AL008719, AL020997, AL031728, AF111168, AC005553, AL049538, L47334, AC005081, AC003982, AL035079, AC004832, Z75887, AC004987, AC007666, AC005803, AC006273, L44140, AL031283, AL078463, AC005067, AC007955, AL049832, AC004686, AC007425, AL109758, AC005102, AC002994, AC005071, AC005212, AC006241, AL031286, AL031729, AC002511, AC004216, AF111169, AL117354, AC004491, AC005288, AC004777, AF053356, Z94056, AC004382, AL035410, AC004522, AC005187, AC005409, AL121748, AC008372, AC005527, AC006509, AC016830, AC005332, AC005015, AL022238, AI003147, AL022316, AC004662, AL031230, AC002375, AC100079, AC002551, AP000210, AP000132, AP000059, 293903, AC005529, AC007437, AL133382, AC005520, AC004983, 297989, AP000249, AC000052, AC005944, AL109627, AP000336, AL079342, AL034419, AC003026, AC002287, AC004990, L78744, AL031673, AC002550, AC005585, AC005899, AB023050, AL096801, AC003665, and AL050348.
HTXKK62	6447	751050	1 - 423	15 - 437	AW339481, C04332, AA383551, and AC006649.
HTXKM25	6448	664886	1 - 335	15 - 349	AL119878.
HTXKM84	6449	782951	1 - 375	15 - 389	AL117354.

HTXKN90	6450	787551	1-316	15-330	H10896, R61720, H23341, and H29365.
HTXKP42	6451	713631	1-646	15-660	H01126, and AB018275.
HTXKQ25	6452	934801	1-574	15-588	AW299519, and U80034.
HTXKQ55	6453	947789	1-353	15-367	AC002096, AC007774, AL008718, AC005832, AP000093, AP000237, and AC004933.
HTXKS02	6454	919676	1-279	15-293	W47063, AI023911, AA401720, AA292887, and AL031295.
HTXKU69	6455	754404	1-479	15-493	Z98750.
HTXKV16	6456	869348	1-490	15-504	
HTXKV38	6457	918567	1-755	15-769	
HTXKZ89	6458	786409	1-291	15-305	
HTXLA63	6459	917316	1-422	15-436	Z99128.
HTXLD06	6460	934555	1-936	15-950	D80391, D59502, D59787, D59859, D58283, D59619, C14389, D80164, D80210, D80240, D80043, D59889, D80022, C14331, D59275, D80219, D51423, D80166, D80195, D80253, D51799, AA305409, D80227, D59467, D81030, D80212, D80196, D80188, D59927, D57483, D80024, D80038, D80269, C15076, D80193, D80366, D50979, D59610, D50995, C14429, D80378, D80045, D80241, D51060, C14014, T03269, D51022, AW178893, C75259, AW179328, AW177440, AA305578, AW378532, D80134, AW17875, D81026, D80251, AA514188, D51250, D80248, AW178762, D80522, AW369651, AA514186, AW360811, F13647, AW352158, D80168, D80133, D52291, D51079, AW177501, AI910186, AW17751, D58253, AW375405, D80268, C14227, C14298, D81111, C05695, AW352117, AI905856, AW366296, AW178467, AW377671, AW360844, AW360817, AW375406, AW378534, AW179332, AW378540, AW377672, AW179023, AW178905, C14407, D80132, D80064, C06015, AW177505, AW352170, D80247, AW179020, D80302, AW352171, D80439, AW377676, AW178906, AW177731, AW178907, AW179019, AW179024, 221582, AW179018, AW360841, AW178909, D59373, AW177456, AW179329, AW178980, AW177733, AW37528, AW178908, AW178754, AW352174, AW179012, D51103, AW378825, AW360834, D51097, AW179004, AA28531, T11417, AW178914, AW378543, C14077, D80157, AW177722, AW367967, AW177728, AI557751, D59503, AW179009, D51759, AW178774, AW178911, AW352163, AW178983, D58246, AW352120, AW178781, T48593, D59653, AW17722, D58101, D80014, D45260, AW177508, AW378533, D59627, D80258, AI533850, C03092, C14975, H67866, AW367950, H67854, AA809122, AW177497, AW178896, AI525923, D51213, AI557774, D51221, C14344, AW177734, T03116, AI525917, D59317, C14973, D60010, D45273, D59551, D59474, AI525920, AA514184, AI535686, D51231, C14046, D59081, C14957, T02974, D60214, AI525227, AI525235, AW378539, AI525925, C16955, T03048, AI525242, 233452, AI525912, AW378542, C05763, AI525215, AI525222, H67858, AI553961, AW360855, F13796, AI525237, AL035588, A62300, A84916, A62298, AJ132110, AR018138, K67155, Y17188, D26022, AF058696, A25490, AB028859, A67220, D89785, A78862, D34614, AR008278, D88547, I82448, X82626, AR025207, Y12724, A82595, A94995, AR060385, AB002449, AR008443, AB012117, K68127, I50126,

HTXLD68	6461	752484	1 - 356	15 - 370		

Block (column 15 - 370):

D51799, D59502, D80195, C14389, D80164, C15076, D80038, D59467, D59275, D80227, D81026, D80022, D58283, D80166, D80193, D59859, D59619, D80210, D80391, D80240, C14331, D59787, D51423, D81030, D80253, D80043, AW177440, AA305378, D80269, D80212, AW360811, D80196, D80188, D50979, D80219, AA514188, D8045, D59927, D57483, AA305409, D59610, D80378, D80366, D51022, D59889, D50995, D80024, T03269, D80248, AW375405, AW179328, AW17893, D80241, AA514186, C14429, D80522, D51060, D80251, C14014, D80133, AW366296, AW378532, AW37671, AW360844, AW375406, AW360817, AW378534, AW179332, AW377672, AW179023, AW178905, AW17501, AW17511, AW377676, AW178762, D80302, AW352170, AW352174, D51250, C75259, AW352171, AW177731, AW178775, AW178907, AW179019, AW177505, AW179024, D80268, D80132, AW352158, C05695, AW179020, AW360841, AW178909, AW17456, AW179329, D80134, AI910186, AW178754, AW17980, AW177733, AW378528, AW178908, AW178754, AW17918, D58253, D80439, AW352117, D80247, D59695, AW367967, AW179004, AW17912, AW178914, AW178528, C06015, D52291, AW17728, AW17722, F13647, D80064, AW179009, D80949, AW178774, AW178911, AW378543, AW352163, D51103, D80168, T11417, D59503, C14227, AI905856, AW178983, D81111, D80157, D58246, T48593, AW178781, AW360834, C14298, C14407, D51759, AW378540, C14077, AW177723, AW352120, D59627, AW177508, AW378533, D80258, D51097, 221582, D58101, AW367950, AA285331, AW177497, C14975, D45260, D59317, AW17886, AW177734, H67866, AI525923, H67854, T03116, C03092, AA809122, D80014, AI557751, D51213, D45273, AI535686, D59551, AI525917, C14973, AI525920, C1444, D51221, D59474, D60010, D60214, AA514184, AW378542, AI525227, T03048, AW178539, C14046, AI525928, AI557774, AI525235, AI525925, AI525242, AW360855, T02866, AI525215, D59976, AI525912, AI535850, C16955, C05763, Z33452, T02974, AI525237, H67858, AC004466, A84916, AJ132110, A62300, A62298, AB028859, AR018138, AR008278, AF058696, D26022, A25909, Y17188, Y12724, A67220, D89785, A57862, D34614, X67155, A82595, D88547, AR060385, A94995, X82626, AB002449, AR008043, B2448, AR016808, I50126, I50132, I50128, I50133, AR025207, AR016514, AR060138, A45456, A62615, AU52274, AR066488, AR060490, A43192, A43190, AR063669, I18367, Y09669, AR066487, A30438, AB02117, I14842, D50010, Y17187, A63261, X68127, A70867, AR054175, AR008408, AR062872, A85396, D88507, AR066482, A44171, A85477, I19525, A86792, AR008277, AR008281, A64136, A68321, X93549, AR016691, AR016690

Block (column 1 - 356):

I50132, I50128, I50133, A85396, AR066482, I19525, A44171, AR066488, AR016514, A85477, AR060138, A86792, A45456, A26615, AR052274, U87250, X93549, Y09669, A43192, A43190, AR038669, AR054175, AR066487, AR066490, A30438, I18367, I14842, D50010, Y17187, D88507, A63261, AR008277, AR008281, X64588, AR008408, I79511, AR063669, A70867, AR016691, AR016690, U46128, AF13125, D13509, A64136, A68321, AR060133, U87247, U79457, AF123263, AB03111, AR032065, AR060382, X93535, and AR008382.

HTXLE37	6462	790392	1-293	15-307	U46128, D13509, AR060133, I79511, AR032065, U79457, AF123263, AJ000347, and AR008382.
HTXLE56	6463	861983	1-603	15-617	AA593263.
HTXLE75	6464	766798	1-657	15-671	AC002073.
HTXLE79	6465	774125	1-418	15-432	AI949292. AA321018, AI749306, AA078391, AI934548, AA317973, AA321148, AI890971, AI798136, AI032984, AH473090, AA038132, AA630245, AI751519, AA577719, AA345138, AW451326, AI282821, AA719817, N54128, AI671041, AA908593, AA601645, AI241976, AA614595, AA584148, AI570118, AA650183, AI311226, I917590, AA810374, AA018757, AW068020, AA657534, AW021154, AA99241, AI913307, D11859, AA676621, AL044177, AI77895, AI869786, AA984543, H95286, AA442384, AW008231, AL044086, AI92118S, AI583677, N34258, T06876, AL133163, AC007666, AC000052, AC04019, AI109627, AC006208, Z97054, AC009275, AC008154, AL033379, AI008124, AC005164, AL031427, AC005027, AL118497, AC000395, AF139813, AC005040, AP000269, AC006048, AL118510, AC000029, AC005799, AC008039, AC005225, AC004106, AP000103, AL033423, AC007151, AB018341, AP000300, AP000113, AP000045, AC008064, AC006500, AP000304, AL049856, AP000047, AC004454, AP000115, AL132712, Z97053, AA004185, AC005740, AL133312, AC004822, AC004832, AC006057, AL035461, AP000066, AC004815, AC005280, AL023316, AL049691, Z68288, D86995, AC005138, AC007938, I382695, AP00032, L05367, AC005320, Z82188, Z85986, AC007226, AC004526, U73023, AL031258, AC005621, AC005582, Z98886, AC004505, AL023579, AL049554, AC004408, AP000446, Z98754, AC005484, Z34469, AC007057, AC008079, AP000595, Z69890, AC004495, A702662, Z78021, Z95327, AP000089, AP000142, AP001068, AC001231, AP000697, AC002331, AP000696, AC007172, D87675, AJ01930, AL02913, AC005899, Z93344, AI008732, AF019413, AL02498, AC000671, AC012099, AC005495, AP000501, AL117130, Z74617, AL035209, AP000502, AC004991, AL031577, AC005094, AC006288, AL031666, AL031767, AL133485, AC007738, AC006353, D84394, Z73988, AL050347, AC005625, AC004783, AL031905, AL049843, AC006409, Z98950, AC005844, AC005509, AC004953, AP000181, AC003071, AF126400, U91323, AC005822, AC008126, AC005696, AC005874, AF13447l, and AC006211.
HTXLF08	6466	958421	1-423	15-437	A204494, AI653977, and AC002073.
HTXLG57	6467	790610	1-450	15-464	
HTXLG64	6468	974598	1-655	15-669	
HTXLI60	6469	869336	1-409	15-423	
HTXLI65	6470	974018	1-444	15-458	
HTXLI91	6471	787577	1-405	15-419	AP000355.
HTXLJ70	6472	756679	1-618	15-632	
HTXLK35	6473	840283	1-457	15-471	AA633787, AA731678, AA764873, N31505, AI051943, and AI310706.

HTXLK95	6474	795355	1 - 313	15 - 327	AI00274, AA601125, AA50299, AL133909, AI832009, AW069819, N23504, AA630672, AL46549, AA631507, AI038149, R49657, AI907530, AA812139, AC004787, AC005031, AC005670, AC005295, AC003969, AC007055, AC007878, AC004140, AC005901, AL049780, AC06449, AL049539, AL023281, AC004477, L80017, AL034451, AC004237, AC004799, AP00049, AP000193, AP000311, AP000117, Z74618, AC004517, AC004567, AC007199, AL02322, AC005747, AC002301, AC005277, AC002253, AL049699, AC004609, Z83846, AC007845, AC007226, AP000251, AP000030, AP00134, AP000212, AC006142, AC004456, AL03587, AL031311, AL03525, AL000243, AC005057, AC006530, AL009031, AC002326, AL031681, AC004651, AC004205, and AC004956
HTXLL78	6475	773071	1 - 445	15 - 459	AA812542, R48980, AA358258, R64617, T96238, T90484, AI821396, AA689351, AA706160, AA515924, AA910783, AW188791, AU046519, AI821390, AA740879, AI280574, T52786, AI341169, AI38769, T90477, AA573693, AA601653, T56025, T58448, AA588611, AL041375, AA826603, T59605, AC005005, AC00294, AC006950, AC002331, AL078462, AP000497, AC006630, AA000448, AC005924, AL049708, AL109980, AL109854, Z92546, AC005355, AL050321, AC004079, AC006148, AC005484, AC003029, AL118523, AC006368, AC006287, AC005832, Z83996, AL031774, AC005300, AP000353, AC005686, L14561, AP000048, Z98051, AC002464, AL031231, AL049759, AC004838, AC004990, AL117337, AF205588, AC003013, Z84718, AF130351, AC002073, AF019967, AF191069, AF096876, Z66192, U73166, AC005765, AC04493, AC006468, AC005383, Z97056, AL132712, AI020997, AC004081, AC002543, AC04129, AC005747, AC005330, AC005237, AL049869, AC006443, AL035687, AC005266, AC008179, AC005747, AC005346, AL035407, AC003982, AC009399, AF111168, AC002385, AC04223, AC006511, AC004241, AL035402, AC005954, Z83840, AL079340, AL034461, U29895, AP000298, AP001059, AF039907, Z97630, AC004650, AC004668, AC004955, Y18000, AP00014, AP000112, AP000044, AP000692, AL031293, AC005874, AP000089, AC003663, AP000351, AP001052, AL031311, Z95152, AC005874, and AF134471
HTXLL89	6476	786475	1 - 436	15 - 450	AI61060, AW070892, AA478355, H53984, AI936191, AI305894, F00107, AA483929, N86538, AW022065, AL135377, AA018823, AA774059, AI252176, AI382825, AA478866, AI124610, AA493975, AL120897, AA50359, AI088768, AI754253, AA54781, H18914, Z22960, AL121235, AW148507, AW022406, AA478867, AA493894, AA987843, AI254192, AA012964, AW103758, F05324, H29443, AA620983, T06754, T25806, AL044185, AA846876, AW327868, AA551552, AI873832, AL119609, AI036413, F01045, AA069445, AA832444, Z82250, AI031287, AC005101, AI023553, U56059, AC004686, AC008014, AF217403, AC000082, AP006690, AC004815, Z98941, AI031846, AB023049, AC000373, AL035417, AC005956, AC005943, X03340, AC003081, AL022336, AC005943, AC000088, AC004069, AL050318, AC06449, X03429, AL050350, AC006501, U93305, AA478466, AL079342, AF196779, AL109798, L13176, AL049539, AL096791, AL031311, AC005908, AC002072, AC009225, AC007227, AC002310, AC005682, AC006046, Z82244,

HTXLN72	6477	951958	1 - 256	15 - 270	293244, AI034374, AI035045, AC008044, AC006346, AI022718, AC005880, AC007676, Z83844, AC004687, AC005772, U47924, AI006996, AV000390, AI001854, AI07614, AC006479, AC007225, AC006271, Z82245, Z81314, AI049748, Z94056, Z97989, AI133238, AI109759, U65416, AB000878, AC002985, AC000026, AI049709, AI035555, AC004103, AC009501, AC007546, 297055, AC006443, AP000223, AF181897, AP000086, AC006004, AI034553, AI049760, AI050307, AL035691, AC004990, AP000506, AF141309, M63543, M63480, M63544, AL080245, AP000359, AI121757, AC007172, AC006040, AC005386, AP000512, AC004992, AC005102, AC004460, AF200465, AC006480, AL136504, AC002480, AF111167, AC005859, AB000882, AL022323, AC005164, Z69917, AC004097, AI021878, and AI031281.
HTXLO02	6478	918658	1 - 505	15 - 519	AI050318, N58534, N78125, AI215964, AI147574, AA094388, AA308806, AI284640, AW338869, AW074598, AI814735, AA515435, H64777, AW410400, N59638, F19258, AA610491, AA282329, AI110770, AW193265, AI471481, AM46464, AI340003, AI747472, AA229785, AI064864, AW339368, AA580662, AA683031, AA584749, AI205126, AA535561, AI053672, F56273, AV269488, AI963720, AA362700, AI334443, AI742771, AA318652, AI138265, AI049874, AI792108, F35113, AI610159, AI962050, AI937850, F31204, AI133986, AA558697, AI003172, AI917271, AI914706, AA551509, AI916039, N43757, AI015912, AI041706, AI287964, N71724, AA450191, AA831388, AW119432, AA515128, AF177861, AI669453, AW149262, AA121649, AI344053, AI376100, AW074207, AA828851, AA361344, F29989, AI624698, AA593060, AA563347, AW074059, AI556904, AI922654, AI564234, AI570138, AA365035, AI038785, AA715606, F37286, AA713815, AI164960, AA631507, AI350211, AA749356, AW029038, F25203, AA63936, AA714595, AI358229, AI061334, AI282907, AA033440, AA569187, AW406755, AI047643, AA077817, AI565989, AA733208, AL041368, AA747490, AI677758, AA838479, AI341664, W60516, AW339687, AI613280, AW188544, AW190289, AI635272, AI499181, AA383477, AI688846, AA359958, AI040547, H60216, AI339850, AI554289, AA745410, H60534, AL040130, AI561060, AI037914, AI287528, AI679379, N23874, AA65235, AI358343, AW103415, AI679888, AA350859, AI744739, AI431303, AI246340, AI469166, AA499094, AI929531, AW069807, AW069427, AI079935, AI830390, N73083, AA584458, AI079812, AW276827, AA359290, AA747276, AI631261, AI264000, AA682189, AI709365, AW166815, N26061, AW162049, AI879000, AI155224, AI13164, AI93081, AA57879, I192005, AA292574, AA095511, AI157323, AI095323, AA904218, AW088058, AI557551, AA491814, AW264973, AI371070, AC006116, AC007676, AC007228, AC003081, AC000378, AC000353, AF176915, AC008062, AC009044, AC005294, AC004982, AC006213, AC002067, AI022721, AI121655, AI023284, AP000555, M87918, AC004987, AC007628, AI031681, AC006130, AI109807, AC007051, AC006948, AC007919, AC007842, AI051662, Z84719, AC005696, AB020859, Z98946, AC006582, AI021453, AC005182, Z94721, AI133396, AL035066, AC004184, Z84475, AI031256,

HTXLO14	6479	869332	1 - 346	15 - 360	AC005002, AC008929, AC005206, AC005667, AC004638, AL049696, AC000362, AC004799, AF003627, AC006023, AC005962, AF001549, AC007684, Z49238, Z97196, AL035587, AC004010, AC007386, AC006537, Z99774, A.031728, AC005250, AL031965, AL035419, AC022517, AC007682, AL131358, AB00239Q, AF217403, AC005787, AL008721, AC009784, AP001172, AC006254, AL031686, U73684, AP001042, AL031732, AL049760, AC006026, AF205588, AC006275, AP000349, AC004013, Z99046, AJ246003, AC006315, AL132712, AL132708, AP000350, AJ010770, AC009363, AC004221, AL033543, AL034555, AC005923, AC000066, AP000065, AC006359, AC006325, AC006208, AL022395, AL049844, Z99738, U95742, AL031650, AC002087, AC007216, AC006552, AB000658, AP000115, L42088, L81759, AC006468, U63639, AL109764, AL109765, AC006365, AC004659, AC006692, AC005015, L13713, X54180, AC006076, AC005175, U02058, AF190465, AL049655, AL031113, AC004931, AC005157, AC005740, AL109759, AC002429, AR017257, AC002070, AC007450, AC005763, AP001043, U62293, U63721, AC005057, AP000519, Z32202, AL025109, AP000431, AC006480, AL109662, AC007238, AL022476, AL031228, AC004649, AL121580, X52851, AF052684, Z69666, AL023882, Z84497, D86999, AC004496, AC002056, AL022237, AC005566, AL030072, Z98885, AP000477, AC002072, AL049795, AL049745, AC005005, AC002020, AF120990, AC001164, AC000062, U35114, AC005069, AP000306, AC004186, AL031597, AP000047, AL133399, Z82244, AC006525, AC005255, AL031319, AC031186, AF030453, U62317, AC009464, AC004895, AC005088, AL033525, AC007263, AC005244, AC004257, AP000567, AC005284, AC006530, AC006486, AC003056, AC004222, AP001068, AL023718, AC006299, AL023494, AP000091, AL034344, AJ012197, U02532, AC003119, U78104, Z97318, AC006663, AF107258, AC007240, AC004526, AJ011930, AF124523, AB023056, L13706, L13714, AF067846, AC002055, AL049633, AC02483, AL080250, AC005244, AC004477, AC005091, AL032821, AC004953, AL109941, AL096867, AL133353, Z99129, AC007664, AC079955, AL049832, AC005412, AC007878, U47924, AF118808, and 5831770. AJ207023, AJ056259, F25099, AL034420, AP001551, AC006141, AC003958, AC004836, AC005069, AP001550, AC005696, AP000310, AL031584, AC008273, AC005081, AJ002369, AC007381, AP000116, AL132826, AC005284, AC005695, AL035410, Z99291, AC005015, AL049631, AC005046, AC003957, AC002544, AC006515, AC002350, AC008038, Z83996, and AC005943.
HTXLP15	6480	869202	1 - 580	15 - 594	
HTXLP18	6481	973431	1 - 1120	15 - 1134	
HTXLQ28	6482	869331	1 - 253	15 - 267	
HTXLT33	6483	919761	1 - 249	15 - 263	
HTXLU64	6484	783411	1 - 274	15 - 288	
HTXLU82	6485	779215	1 - 352	15 - 366	

HTXLV39	6486	972762	1-587	15-601	AW024320.
HTXLY02	6487	866819	1-437	15-451	
HTXMC82	6488	779198	1-513	15-527	
HTXMH13	6489	928105	1-468	15-482	
HTXMH80	6490	775487	1-789	15-803	AT767654, AI654951, AI654511, AC003037, AR060048, Y15164, and Y16355.
HTXMI18	6491	921101	1-558	15-572	AA354168, AL021920, AC006359, 263341, 256778, 263773, and 261872.
HTXMI62	6492	870456	1-610	15-624	AW204494, AI167739, AI308750, AW079517, AA810700, AI304463, AI348049, AA781353, AA740190, AI245908, AA448390, AI073753, AI346019, AI240109, AA579960, AI146972, AA194605, AI924255, AI245270, AI160024, AA782917, AI198405, AA804861, AI498033, AI244610, AI018032, W84699, AI088909, AI50413, AW195727, AA150136, AW207349, AI350465, AA773774, AA448387, AA908581, AW182756, AI023582, AA772649, AI698603, AA740373, AI245510, AI004632, AI198724, AI566264, AA477201, AA291758, AA305875, AA477036, W79002, AA768998, AA194636, AA355431, AI459372, F34275, AA781769, AA401771, W63647, AA479797, H69491, AA026446, AA148813, AA152187, AW074444, AA148463, and AA026249.
HTXMJ03	6493	923001	1-338	15-352	AA278496, AA427747, AI625778, AL118567, AW419161, AA503454, AI251429, AA372881, AA527396, AA354311, AA504951, AI271985, AI631064, AC002531, AC000353, AC004765, AC002375, AL035688, U41384, AP000303, AP000114, AP000046, AL109657, AP000359, AL031296, AC005701, AP000275, AL031284, AL031670, AL021391, AC005695, AC007676, AC005215, AC004895, M19364, AC005193, AC004880, AC007690, AC006023, AL035681, AC007510, AL117338, AC005781, AC004600, AC007129, AP000037, AP000105, U75931, X55448, AP000210, AP000132, AL035659, 295329, AP000248, AB026899, AC006251, AC005839, AC007993, and AP000326.
HTXMJ50	6494	830027	1-395	15-409	H93883, AF140360, and AF074606.
HTXMO28	6495	823172	1-464	15-478	AA504938, AF115510, and AF045573.
HTXMO81	6496	869319	1-770	15-784	T10293, Z98044, AC004463, and AC002040.
HTXMP92	6497	972759	1-558	15-572	
HTXMQ07	6498	952206	1-564	15-578	AC006449, AI049761, AC000491, 297054, AL131163, 293023, AL121658, A1246003, AL139054, AL035072, AI229041, Z83822, AL080243, AL031255, AC006511, AC004150, and AC002316.
HTXMT06	6499	933376	1-594	15-608	AA836811, AI047602, AI561043, AL132777, AC005180, AI024507, AC003070, AC005225, AC005257, AI078581, AL133245, AC004967, AI109963, AC005736, AC005778, AI009172, AC005206, AC005015, AL118497, AC006121, AI021707, AC005667, AC006688, AC005765, AC005747, AC006360, AC004996, AC004876, AC004953, AL049830, AC004985, AC005696, AC002477, AC002565, AF196779, AC005089, AP000251, AC007283, AL035249, AP000030, AC000111, AC006160, AI096701, AL022326, AL021808, AC004263, AL031311, AL117258.

HTXMU10	6500	961472	1 - 297	15 - 311	AF134726, AC005304, AP000602, AC005081, AC004910, AC005755, AC005519, AC004216, AL020997, AL121825, AL009181, AL049869, AC003684, AL121603, 297054, AC002504, AC004491, AC004638, AC005589, AC005488, AC006965, AC000025, AC006001, AC005231, 293023, AF111168, AC004019, AC004834, AC007014, AC006965, AC002070, AL031673, AC005585, AC005274, AC006101, AC005911, AO012384, L44140, AJ003147, AL035458, AL031120, AF190465, AC008372, Z98051, AC004531, AC005520, AC004703, AC005907, AC005072, AC003983, AC005238, AC006064, AC004675, AP001054, AP001054, AC002544, AC002430, AC007955, AC005562, U91321, AC004928, AC005515, AL021154, AC003104, AL049832, D88268, AF088219, U95740, AC005664, AL121652, AL022722, AC006449, AL049794, 297055, Z84721, AF205588, AC007384, AC007999, AL096816, AC004685, AF069291, AC000097, AC005261, AC006270, AL122020, AL109627, U95742, AC005514, Z92845, AC007308, AC006547, AC005971, AC007151, AC004125, AL050341, AC002059, AC002465, AL049872, AC000115, AC004983, AL133353, AC005295, AC005728, Z84466, M29930, AC004104, U91323, AC007731, AC004820, AC000353, AC006511, AC005666, AD000092, AC004447, AC005500, AC005914, AC005300, AL096791, AP000247, AC007899, AL021579, AC005291, AC005057, AC004526, AC006084, AC002394, AC004139, AL022238, AC005255, AF111169, AC006275, AC005593, AC005037, AL031680, AC002365, AL031255, Z77249, Z84480, AL049776, AF121781, AC002314, AC003003, Z82205, AL121668, AC004487, AC005011, AH133269, Z99716, AC005102, AC000574, AC005086, AC016027, AL022336, AC006538, AC004134, AC007199, U62293, AB026898, and AL139054.
HTXMX03	6501	923005	1 - 801	15 - 815	AA360680.
HTXMX32	6502	789063	1 - 414	15 - 428	H69312.
HTXMX41	6503	789332	1 - 658	15 - 672	AI143899, AI185700, and AA935389.
HTXMY15	6504	780129	1 - 487	15 - 501	AC006369.
HTXMY23	6505	835044	1 - 1094	15 - 1108	
HTXMZ91	6506	789619	1 - 355	15 - 369	
HTXND08	6507	869311	1 - 605	15 - 619	AA612727, AF017104, AC016831, AC005940, AC006441, AC005071, AC005277, AC005921, U82828, 293023, AC007868, AC005781, AC004854, AL133353, AC002395, AC005829, AC003091, AP000501, AF134726, AC007899, AC004686, AC004009, AB023048, AC005067, AC005379, AC005288, AC005920, AL022166, AC002394, AC004967, AC007011, AF165926, AC000035, AC006023, AC002316, AC002072, AL031295, AC003006, Y10196, AC003043, AL109623, Z84466, AC004383, AC010200, 298941, AC004605, AC004121, AC006121, AL049759, AC005332, AC002091, AL031133, AC002300, AL035086, AC004584, Z69890, AC008498, AC006285, AL008718, AP000263, AC004000, 282214, and AC002563.
HTXND91	6508	789706	1 - 634	15 - 648	
HTXNF56	6509	974048	1 - 359	15 - 373	

HTXNJ80	6510	966045	1-269	15-283	
HTXNM82	6511	973993	1-354	15-368	
HTXNN03	6512	922997	1-500	15-514	AC007151, and AC005071.
HTXNN33	6513	780965	1-1099	15-1113	AA687306, AA262231, and HS9981.
HTXNO48	6514	963444	1-242	15-256	AC004001.
HTXNO58	6515	916249	1-447	15-461	
HTXNQ06	6516	934303	1-424	15-438	AI017099, AA115566, AI679782, AA368329, W80696, AA159006, AI940546, AA524800, AA133013, AI733856, AI821659, AI281622, U46402, AW023975, AW161459, AW268329, AW161879, AI191343, AI003797, AA936548, AA339592, AW029626, AI888050, AI018726, AI982994, AI114645, AI475294, AA827383, AW16390, AW157173, AA533923, AA533660, AI520925, AW265688, AA559166, AI686563, AA313078, AI749306, AA809131, AA832235, AI043707, H59856, AA084320, AW129188, R31264, AA099907, R66407, AA218684, AC002126, AC005620, Z82182, AC006162, AP000555, AC005565, AC006026, AC004263, AF064857, AC006001, AL133353, AC006006, AC007225, AC004081, AC005988, AL049709, AC005759, AL035086, Z95116, AL078581, AC007216, D86995, AC005703, AC005295, AC004832, AC010205, AC005005, AC005409, AC006130, AC000353, AC005288, AC000003, Z83844, AC006312, AL000179, AL022315, AC004638, AC002310, AC004821, U95742, AC006338, AP000091, AC005377, AL034548, AP000692, AF003626, AC005089, AP000503, AC007114, AL034549, AC006430, AL031277, AL031427, AC004812, AC002269, AF107257, AB004907, AC004834, AC007686, AC007917, AC005940, AP000236, AC005544, AC005480, AC005913, AC004150, AF031078, AP000045, Z98946, AC004922, AL022395, AL049843, Z82097, AF030876, AF196969, Z97352, AC004382, AP000030, AP000212, AP000134, AL132826, AC007066, AC020077, AF031076, U85195, AP000346, Z99128, AL049569, AC005412, AE000658, AL035658, AB003151, AP000688, AL022324, AC005003, AC003982, AC005086, Z84486, AC007201, AC006632, AC000065, AF111168, AL021154, AL121652, AC005592, AC002350, AL031447, U91323, AL035072, AC002381, AC005332, AP000337, AC005800, AL008635, AC006241, AC004230, AF118808, AC004000, AC005102, AL034429, AC005017, AL035249, AF134726, AP000502, AC00731, AF111169, AC004034, AC005500, AC005484, AC005803, AL050318, AC004953, AC005911, AC002258, AL035450, AL008718, AC002115, AL109963, AF134725, AL049761, AL096774, AC002430, AC005519, AL096712, AL024507, AL008719, AC002554, AC016831, AC004125, AC007363, AP045555, AC002425, AC007384, AC002378, AP000355, AC000359, AL133312, L44140, AC004009, U78027, AL110502, AC006271, AL031311, AP000359, AC000026, AC002040, AC005581, AL022311, AC004816, AC004231, Z83820, AC004019, AC004491, AC002472, L81868, AL078638, AL133163, AC005048, AC005206, AC003669, AC004938, AC004106, AC004890, AC002404, AL035422, AC007263, AC006948, AC004084, AC003029, AC002059, AC005920, AC008041, AP000010,

HTXNQ63	6517	951939	1 - 216	15 - 230	AP000049, AF053356, AL031729, Z84466, AL034420, AO003957, AC007537, Z81369, AC005088, AC006480, AC005914, AC005225, AC005625, AC004408, AC005667, AP000501, AC005081, AC002477, AC006251, AF030453, AP000311, Z98200, AL049757, AC002470, AC016830, U91327, AC004132, AL021155, AF124523, Z95113, AL132992, AC007240, and AP059901.
HTXNR01	6518	913781	1 - 542	15 - 556	AC005585, and AC004997.
HTXNR17	6519	856465	1 - 1217	15 - 1231	AL109616, AP000085, and AP000222.
HTXNT07	6520	952165	1 - 850	15 - 864	AI168689, AA447759, N24906, H80735, N36031, and AI088950.
HTXNT43	6521	869398	1 - 696	15 - 710	AW104380.
HTXNT76	6522	869189	1 - 720	15 - 734	AI140432, R67196, H09197, Z44614, and W86042.
HTXNU51	6523	972837	1 - 607	15 - 621	T11417, AW178893, D80195, D80193, AW177440, C06015, AW360817, D80022, AA514184, AW178907, AW178908, D80164, D59902, AW352170, D80439, AA305409, AW366296, D59619, D80210, D80391, D80240, D59787, D80227, D59467, D80241, C03092, AW377676, C14331, AA305578, D45260, D59275, D80038, AW377672, AW178905, AW177771, C14389, AW378528, AW378533, AA809122, AW378532, AA285331, AW360811, D80166, AW375406, AW179328, D80251, D58283, D59859, D59927, D51423, D51799, D80253, D80043, AW179023, AW378534, AW179019, AW179332, AW378542, AW178762, T48593, AW178911, F13647, AW178906, T03269, AW367950, AW178914, AI557774, AI525920, AI525227, I14842, I50126, I50132, I50128, I50133, AB002449, A62300, A82595, AR060385, D89785, A84916, AB028859, AJ132110, D34614, AR062872, A62298, AR018138, AR008278, AF058696, AR066488, AR016514, Y09669, A70867, AR066487, Y17187, AR060138, A45456, A67220, Y17188, A78862, A94995, D26022, A30438, A26615, AR052274, A43192, X67155, A63261, A43190, AR003669, A25909, Y12724, A64136, A68321, AR054175, X68127, AR008443, AR008408, AR016691, AR016690, and U46128.
HTXNY70	6524	869289	1 - 503	15 - 517	AA326098.
HTXNY74	6525	918076	1 - 523	15 - 537	AI990442, AT760050, W17255, AI743197, AA161408, AA046819, AA100199, AI937600, W17197, AW134967, AA365733, AI878952, AW407024, F11958, AI440483, AW404641, T65652, AW408221, AW247376, AA101041, AL13448, AI420513, AA418264, AA593567, AA446731, N78836, R08951, H53247, AF07856, Y10769, AB002086, and AF112211.
HTXOC32	6526	869280	1 - 627	15 - 641	AI160365, D83782, and U67060.
HTXOD62	6527	806643	1 - 920	15 - 934	AW405057, AI950337, and AC002303.
HTXOG84	6528	929289	1 - 493	15 - 507	
HTXOH04	6529	926909	1 - 358	15 - 372	
HTXOH60	6530	869271	1 - 524	15 - 538	
HTXOJ50	6531	869279	1 - 696	15 - 710	AA640727, and AA569750.

HTXOJ92	6532	974039	1 - 477	15 - 491	AW409822.
HTXOM10	6533	963435	1 - 414	15 - 428	AW367431.
HTXOO06	6534	934248	1 - 633	15 - 647	AI033221, T67234, and AI247472.
HTXOO83	6535	898860	1 - 546	15 - 560	
HTXOR11	6536	965090	1 - 493	15 - 507	
HTXOR48	6537	869253	1 - 649	15 - 663	AA114199.
HTXOR86	6538	914739	1 - 599	15 - 613	
HTXOS47	6539	965558	1 - 757	15 - 771	AA24143, AI702720, AI039634, and AA424185.
HTXOT42	6540	974034	1 - 421	15 - 435	
HTXOU06	6541	852057	1 - 535	15 - 549	
HTXOU48	6542	869252	1 - 409	15 - 423	AL022398.
HTXOU67	6543	906909	1 - 406	15 - 420	
HTXOX02	6544	918556	1 - 600	15 - 614	AP000694.
HTXOX42	6545	920274	1 - 540	15 - 554	
HTXOZ02	6546	918566	1 - 446	15 - 460	AA348747.
HTXPP93	6547	954976	1 - 621	15 - 635	D80253, D58283, D80366, D80043, D80188, D80022, D59275, C14331, D80391, D59787, C14339, D80195, D80196, D59619, D80210, D80166, D80439, D80164, D81030, D59502, D59467, D51423, D51799, D80227, D80212, D50995, D80219, C15076, D59927, AA305409, D57483, D59889, D80269, D80038, D80193, D50979, D80024, C14429, D59610, D80378, D80251, D80045, D51022, D51060, D80241, AA305578, AW177440, D81026, T03269, C14014, AW178893, D80248, AW179328, AA514188, D80522, C75259, AW360811, AA514186, D80133, AW378532, D80247, D80134, D80132, AW178775, F13647, AW369651, AW178762, AW375405, C05695, AW177501, AW177511, AW177671, D51250, D80168, D58253, D80268, AW366296, AW360844, D80439, AW360817, AW375406, AW352158, AW378534, AW179332, AW377672, AW179023, AW178905, D59695, D80949, AW177505, C14227, AW352117, AW176467, D80302, AW352170, AI910186, D80064, D81111, AW352171, D51079, AW377676, AW178906, AW177731, D59373, AW178907, AW179019, AW179024, C14298, C14407, AW177728, AW360834, AI905856, AW360841, AW179020, AW378540, AW178909, AW177456, T11417, AW179329, AW178980, AW178774, AW177733, AW378528, AW178908, AW178754, AW378543, AW179018, D51103, D80157, AW352174, 221582, AW179004, AW179012, D51759, AW178914, AW178781, AW378525, AW367967, C14077, AW177722, AW179009, AW352120, T48593, AW178911, AW352163, AW178983, D58246, C06015, AA285331, D59653, D51097, D59503, AI557751, D58101, AA809122, C03092, D45260, H67866, D59627, AW177723, D51213, AW362950, D80258, I167854, AI553850, AW37833, AI525923, D80014, AW178986, C14344, T03116, AW177508, D45273, AI525917, D59317, D60010, C14973, D51221, AW177497, AI553686, D59474, D51231, AI525920, C14957, AW177734,

HTXPJ03	6548	922877	1-474	15-488	AA514184, C14046, D59551, D60214, AI525227, CI6955, AI577774, AI525215, T03048, AI525912, AI525215, Z33452, AI525242, T02974, AW378542, AI525167, H63858, AW378539, AI535961, C05763, AI525222, AI525237, D51053, AW360855, C04682, C13958, AC008149, A62300, A84916, A62298, AJ12110, A01R138, AF058696, AR008278, K67155, AB028859, Y17188, D26022, A25909, A67220, D89785, A78862, D34614, D88547, Y12724, X82626, A82595, AB002449, A94995, AR025207, AR060385, AR008443, I50126, I50128, I50133, AR066488, AR016514, AR060138, A45456, A26615, AR052274, AB012117, Y09669, A43192, A43190, AR038669, X68127, AR066487, AR054175, A30438, I14842, A85396, AR066482, AR066490, A44171, A85477, D50010, I19525, Y17187, A86792, I18367, U87250, X93549, A63261, D88507, AR008277, AR008281, AR008408, AR062872, A70867, AR016691, AR016690, U46128, D13509, A64136, A68321, AR060133, I79511, X72378, U79457, AF123263, AF135125, AR032065, AR008382, and AB033111.
HTXPK10	6549	963397	1-639	15-653	AL109830
HTXPK28	6550	957888	1-339	15-353	AC005783
HTXPO91	6551	869224	1-722	15-736	AC005261
HTXPO92	6552	869214	1-665	15-679	AL049653
HTXPP13	6553	799925	1-759	15-773	AP000700, D80038, D80164, D51423, D59275, D80195, D59079, C06015, C14389, D59467, D80227, D59502, AA305578, D80043, D58283, D81026, D80269, D80193, D59859, D59610, D80022, C14331, D80166, D59619, D80210, D51799, D80391, D80400, D80253, D59787, D80268, A305409, D80439, C15076, D51103, D81030, D80188, D80247, D80248, D80522, D80212, D80366, D80196, D51022, D80045, D80219, D80302, D59095, AA514188, D59927, D51060, D57483, C14014, D80378, D80241, D59889, D80133, D80024, AA514186, AW360811, AW177440, D80157, D80251, T03269, D51759, AW178893, C14429, AW377671, AW375405, D59653, C75259, AA809122, AW178906, AW177731, AW179019, H67866, D45260, AW366296, AW360844, AW360817, AW179328, T11417, AW377672, AW179023, AW178908, AW378532, AW378528, AW178762, AW177501, AW177511, D59503, AW360834, H67854, C03092, AW352171, AW377676, AW179004, AW352170, D81111, AW178907, AI525923, AW179024, C14227, D59317, D80132, F13647, D59627, D80258, AW177505, D52291, D51250, D80134, AW179329, AW177733, AW352120, AW179009, AW178980, D58246, D60214, AW178914, AW178911, AW178754, AA514184, AW179018, AW352158, D58101, AW367950, D51213, AW352117, AI525917, D80014, AW178774, C14973, AW177734, C14344, AW378533, AI535686, D51221, AI525227, D59474, AW179012, C14407, D59551, D59695, D60010, AW378525, AW177722, AW352163, AI525920, AI557751, AW378543, AW378540, AW378542, C14957, AI557774, AW177728, AI525242, C14046, AW378539, AW177723, AI525215.

HTXPR92	6554	869221	1-389	15-403	AI525235, AW178781, AI910186, H67858, D45273, AI905856, AI525925, T03048, AI525912, AA285331, C14077, C14298, C16955, D80168, Z21582, C05763, Z33452, T02974, AI525237, AI525222, D31458, AW360855, T02868, AI525928, CA04682, D52317, C13958, N66429, D51053, AW060651, Z30160, D80314, AW179011, Z82208, AI096777, AR008278, AB028859, AI132110, A84916, A82595, AP058696, AR060385, A62300, A62298, AR018138, AB002449, I50126, I50132, I50128, I50133, AR016514, A62615, AR052274, A43192, A43190, X67155, Y17188, A4995, D26022, Y12724, AR060138, A23909, A45456, AR038669, AR066488, A67220, D89785, A78862, D34614, AR066487, Y09669, I14842, A30438, AR008443, AR054175, D50010, Y17187, D88547, A63261, AR016808, AR008408, AR008277, AR008281, X82626, AR016691, AR016690, U46128, A70867, AR062872, I82448, I79511, D13509, A64136, A68321, AR025207, AR060013, X68127, I18367, AF123263, AR032065, and AB012117.
HTXPT68	6555	870074	1-455	15-469	W52804, AA261853, W07856, AA283855, AA077296, AA319080, W60104, AL046053, AA496322, AA402082, AA077601, AA101354, AW402545, AA078651, R11246, AW405789, AC006014, AL117583, AB014518, and AC005488.
HTXPW03	6556	922884	1-423	15-437	AC006014, AL117583, AB014518, and AC005488.
HTXPW20	6557	869198	1-538	15-552	AI041722, AW301211, AA420513, AW30191, AI862185, AA338281, H68343, AW080772, AA564925, AW410784, AI283842, H73550, AI066416, AA579152, AI693979, AI508148, AI819391, AC002126, Z82190, AI049394, AC004908, AC005164, AC005924, AC005412, AC006121, AC004263, AL132992, AI020997, AI122020, AP000346, AC002425, AL031291, AP001068, AL117344, AC004983, AL031428, AC004832, AC004653, AC003029, AC003950, AJ011930, AF129756, AC005015, AP000272, AP000104, AC003982, AC006468, AP000510, AL109759, AL022336, U05309, AC004644, AL031321, AC002400, AC002400, AC006344, AC007938, U89336, AB023048, AL022320, AC005726, AL121825, AC002119, AC005585, AC005778, AL008582, AC005940, Z83845, AP000269, AP000103, AL133500, AC006385, U91323, AC005971, AL109963, AC002558, AC005072, Z95329, AC005049, AL022330, AC004032, AC002365, AC000379, AL033524, AP000553, AC002045, U82757, AC006163, AL049692, AC004841, AC006450, AC004149, AP000297, AP000112, AP000044, AC004132, AP001053, AC005899, AC007676, AC005598, AC002312, Z82178, AC002395, AC006023, AC004883, AC005529, AL132994, AC002565, AC004589, Z73417, U95090, AC004645, AC005379, AF001552, AL009179, AC003667, Z98946, AC004593, AC007878, AC007919, AC004079, Z97055, AC006270, AC005488, Z82176, AC005952, AP000279, AC005363, AC005606, AP000106, AP00003R, Z95113, AC006042, AC001231, and AP000152.
HTXQA18	6558	918494	1-526	15-540	AA569047, and AC008545.
HTXQA18	6559	869184	1-593	15-607	
HTXQC36	6560	961161	1-633	15-647	
HTXQC77	6561	974033	1-705	15-719	AL021331, AL023754, AC002314, AL080243, AC004963, AC002102, AC002102, AC005779, AC005757.

HTXQF10	6562	963403	1-557	15-571	AC006287, AC005011, AL078596, Z74477, AC007435, AC004926, and AL121653.
HTXQM11	6563	965645	1-650	15-664	297989.
HTXQN24	6564	963503	1-487	15-501	AI183539, R06046, H96741, N24376, AW269964, AW130380, and AA033943.
HTXQR90	6565	869139	1-486	15-500	
HTXQU07	6566	952030	1-386	15-400	AC002531.
HTXQW02	6567	918081	1-445	15-459	
HTXQW29	6568	869134	1-456	15-470	AA355311, and AL039535.
HTXRA11	6569	965596	1-392	15-406	
HTXRB38	6570	869133	1-344	15-358	AC004508, and AL049549.
HTXRC17	6571	973981	1-538	15-552	
HTXRD51	6572	921285	1-484	15-498	AA381937.
HTXRE04	6573	926371	1-422	15-436	
HTXRJ02	6574	918031	1-609	15-623	AI418397.
HTXRM86	6575	975072	1-564	15-578	
HTXRO02	6576	918009	1-194	15-208	
HTXSB88	6577	914627	1-832	15-846	AA026814, AA127612, AL110352, H54652, N78337, AA534175, AA489133, R50909, AW381645, AA329024, H51803, N78336, H08302, AW139389, AA034086, T74441, F20615, F20584, N87003, AA315270, AI168489, AA025761, N47927, AW369408, AA921775, H48655, Z46044, and AF077042.
HTXSK91	6578	915903	1-449	15-463	AI989940, AI950415, and AI656850.
HTYSR92	6579	973095	1-416	15-430	AA320236.
HTYNC52	6580	869119	1-450	15-464	AW152346, AW057660, AA225627, AC006040, AC002350, Y14768, AC002558, AL021918, AL022322, AP000553, AL096791, AC005726, AC007536, AL080243, AL031680, and AC005015.
HTYSB62	6581	768350	1-333	15-347	AA380842, AI819188, and AW402301.
HTYSD32	6582	702994	1-420	15-434	H30348, AI009031, and AC002326.
HTZAB04	6583	973811	1-636	15-650	AW366296, AW375405, D80045, AI905856, AW367950, AW375406, AW177440, AW360811, T03269, T48593, AW378532, AW178893, C14389, AW352171, AW179328, D80164, D59467, D58283, D59859, AW377671, D80022, AW360044, C14331, D80166, D80227, D80195, AW360817, D80193, D59927, D51423, D59619, D80210, D51799, D80391, D59275, D80240, D80253, D80043, D59787, D59300, AW178905, AW378534, AW179332, AW377672, AW179023, D81030, AW352174, AW177731, D80212, D80196, D80218, D80219, C15076, AW369651, D81026, D80269, D80038, D57483, D80366, AW177501, AA305409, C14429, AW177511, D59079, AW179020, D59995, AW352158, D59859, D59610, D80024, AA305578, D51022, AW178762, AW377676, AW178908, AW178907, AW178901, AW352170, AW179019, AW179024,

2200

Clone					Accession Numbers
HUJAB25	6584	878465	1 - 341	15 - 355	D80378, AA514188, C14014, D51250, AW178775, AW352117, D51060, D80248, AW177505, D80522, AW360841, AW178909, D80241, AW177456, AW178906, AW179004, D80251, AW179429, AW178914, AW352163, AW178911, AW177733, AW178528, AW178734, AW179018, AW176467, AW178980, AW177728, D80302, AW178774, AW378543, D80439, C05695, D80247, A9101864, D80268, AW177723, D80134, AW178781, AW177723, D58253, AW378540, D51103, AW360834, D80132, D51759, F13647, AW178986, T11417, D51097, AW177734, C14227, D81111, D80064, C06015, AW378533, D58246, D45260, D59503, D58101, AA285331, A1535686, C03092, AA514184, H67854, AW378542, H67866, AW378539, AA809122, A1525923, AW360855, AA557751, A155850, T03116, A152917, D59317, D80258, D80314, D80014, A1525920, AA557774, A1535959, A152227, A152913, A152925, A152928, A62300, A62298, A84916, AA4995, Y17188, A78862, A82595, AR018138, AR016514, X67155, A67220, D89785, D34614, Y12724, D26022, A1132110, A25909, AR028859, AR008278, AW058696, A43190, D88547, A30438, Y17187, X82626, AR038669, AR008443, 150126, 150132, 150128, 150133, AR025207, AR066488, AR060138, A44171, AA456, Y09669, A26615, AR052274, AR060385, AB002449, AR066487, A43192, D50010, AR066490, AB012117, 118367, A70867, K63261, X68127, AR008408, AR016691, AR016690, U46128, AR062872, AR060133, A85596, AR066482, D88507, D13509, A85477, 119552, A86792, A64136, A68321, X93549, 114842, AR054175, AR050680, AF152363, AR032065, and AR008382.
HUJAG07	6585	951873	1 - 509	15 - 523	A1890529, AA833799, AA832067, AA743086, AA612890, AA808056, AA745893, and AW104930.
HUJAMJ9	6586	911399	1 - 1309	15 - 1323	AA280958, AW401543, AW040118, AW385179, AI763106, AW175909, and AA156129.
HUJBL07	6587	951874	1 - 412	15 - 426	AC005003.
HUJCB67	6588	958914	1 - 453	15 - 467	AW407535, and AW403048.
HUJCM08	6589	957784	1 - 720	15 - 734	AF128893, AF114847, AB016767, AF121948, AF015950, and AF018167.
HUJCT61	6590	933920	1 - 649	15 - 663	AW194140, AB002354, and AC003663.
HUJCV04	6591	926175	1 - 373	15 - 387	
HUIDB08	6592	957786	1 - 823	15 - 837	AA804187, AA570372, N27615, A1818362, AW002330, AA827490, AA714073, AL042777, I180989, AA360910, AA780766, A1924127, AA775929, AI065038, AA077667, AA659832, AW193337, AA578275, I52638, AA376358, AA788592, AA814878, T48241, F11718, AW149288, AA229422, AA825185, AW089016, F35902, AW302670, AA630122, AA077619, AA084880, AA086042, AI697425, A1915081, AA654874, AL119382, A1283924, AI879908, H90878, T06485, A1874341, AL119444, AA584594, A1368732, AA091529, F23294, Z98474, C14330, AI718462, AA721523, A1856851, I173550, AA366555, AA229988, A1266028, AA626411, A1683116, AA090211, R74433, AA434078, AL041681, AL041682, T05118, AL038759, AI160786, AA706202, R93919, AA668715, W24312, F24745, AI758799, AA504951,

					Accessions
HUJD158	6593	920851	15-626	1-612	AA613754, W81372, AA219349, AA523695, AA550757, AC004491, AC004859, AL031848, AC005005, AC004259, AC004600, 298752, AC007546, AC005082, AC006042, AL031577, 298304, AC005074, AC007052, AC006121, AC004865, AC005375, AC005189, AC000091, AL133396, AL049563, AL080250, U95742, 283847, 268234, AL049759, AC002381, U50871, AL109865, AC004106, AP000745, AC007878, AC003043, AC006157, AC007216, AL022323, AC005476, AF134726, AL035555, AC005209, AL031587, AC005037, AC004916, 191322, AC007114, AC002425, AC007253, AC004622, AC004933, AL011930, AL109985, 282203, AF111168, AL022327, AL031118, AC007363, U89337, AL022722, AC004765, AC006539, AL022165, AL022336, AC002400, AP001038, AC000004, AC004596, AC004552, Z93020, AL020997, AC004583, AC002128, AP000352, AC004140, AL049764, AC003667, AC007283, AC011311, AL115783, AL049872, Z84487, AL121652, AC006101, AC004079, AL031685, AC005876, U85195, AC003962, AC007657, AL035422, AL049636, AL049835, AA229042, AL022238, AC005535, AL031595, AP001068, AL121757, AC006026, AL031120, AL031584, AC003661, AC006561, Z68276, AD00813, AC005182, AL121603, AC002476, AC006254, AC007262, AP001067, 249866, AP000046, AP00114, Z98885, AC005668, AL08732, AL031985, AC005015, AC005829, AL049832, AF165926, AB000658, AC003942, AL031673, AP000344, AL049780, AL050221, 282201, AF015416, AL022313, AC002395, AL031133, AC006965, AC005342, AC007785, AC005503, AL031007, AC003070, AC007899, AC002091, AF095901, M55987, AC048804, 295114, AC003035, AL031666, AC002980, Z98941, AC024276, AC006966, 275744, AF190465, AL022320, AL034555, AC006501, AC006017, AP000694, AC002464, AP000701, 295763, AC004103, AP000304, AC005952, U78027, AC005262, AP000558, AL021918, AC004832, AC004653, AC003663, AC002470, AL023575, AL021397, AL031666, AC005399, AC002448, AL031599, AL050307, AC006317, AC005580, AL035072, AC006208, AC005164, AL121825, AL109801, AC005378, AC000159, AL031005, AL121754, AC006263, AC006530, Z84480, AF111167, Z82202, AC006512, AC004668, AL035671, AL049709, AC005722, Z82194, AC004815, AL109839, M87889, AC006432, AC000078, AC005778, AC005066, AC005154, AC005697, AC007207, AC006080, AC016830, AC004381, AL031670, AC004955, AL035443, AL031602, AL031311, Z98743, AC003688, AL049742, AL133500, AC005089, AC007938, AC004125, AP000047, AL031680, AL020996, AF124730, AC009501, and AC005667.
HUUAJ10	6594	914330	15-791	1-777	W92719, and W92718.
HUUAP82	6595	966685	15-651	1-637	255173, and 255172.
HUUAS12	6596	968953	15-657	1-643	
HUUAV06	6597	966816	15-613	1-599	AI143114, AI741038, AW408346, AI199199, AI553781, AI159848, AI870663, AW009857, AI369858, AA306925, AA116026, AI168007, AI560107, AA582263, AA565504, AI056118, T78900, AW016397, AI358502, AI565503, AI989730, AA102803, AI094220.

HUUAV83	6598	921559	1 - 358	15 - 372	AA772713, AA147209, AA809418, AA235853, AA812366, AI520722, AI273152, AI031924, AI197902, AA854522, AA541445, AA813910, AA160408, F32212, AW381946, AA808361, A025417, AA214593, AA312286, AA807833, AI886250, AA760697, AA306027, 29324I, AF151854, and AL022316.
HUUCI06	6599	933322	1 - 447	15 - 461	AL046885, AA705908, AI812019, AI657105, AI167247, AI432943, R11664, and AL031320.
HUUCI07	6600	951824	1 - 349	15 - 363	
HUUCI12	6601	969258	1 - 91	15 - 105	
HUUCP08	6602	957715	1 - 497	15 - 511	AI355246, AI679759, AI923052, AI902052, AA904211, AA613624, N95817, AI079901, AA468975, AC005726, AC005799, AL021937, AL034549, AC007151, AC005519, AP000493, AC005911, AC005520, AC007066, AL049780, AF088219, AC005666, AC005081, AL121652, AF130342, 293017, AC006017, AC005228, AC004699, AL022069, AC007052, AC004106, AC007226, AC007283, AP000513, AC007055, AC006211, AL139054, AC005755, AC006430, AC005829, AC005697, AC005722, AC004890, AL110502, AC004694, AL133371, AC005358, AC009464, AL135747, AC005158, L11910, AC004686, AL008629, AL008710, AF130343, AL132987, 298751, AC007934, AL049709, AC009498, AC006285, AC005670, X87344, AC007993, AL022574, AC006312, AC007899, AC003087, AC007565, AL121655, AC005859, AL049589, AC004477, AC004326, AC007676, AC004675, AC002369, M89651, AC005875, AC005229, AL109984, 281365, AC005071, AC007528, AL031230, AC006271, AL031685, AL035090, AC005089, AC005551, AC006480, AC003042, AL008723, AP000688, AC005189, AL008729, AL080248, AL035422, AC004079, AC000353, AL049713, AL031311, AL031575, AC007216, AC003664, AC006065, AC006960, AC005899, AL031312, U82828, AL022396, AC004098, AC005234, AC006011, AC007637, AC004797, AC002527, Z95125, AF205588, AC003075, AC004888, AC005730, AL022326, AL031775, AC004033, AC005599, AC005067, AL121595, AL031680, AC004531, AL133245, AC004024, AL031316, AC007842, and 298946.
HUUCQ03	6603	915269	1 - 907	15 - 921	AC000119.
HUUCS49	6604	965987	1 - 504	15 - 518	AL046287, D77805, D78805, D78848, R11003, AL044772, T79263, and 282171.
HUUDG08	6605	957721	1 - 391	15 - 405	
HUUDI10	6606	961761	1 - 623	15 - 637	
HUUDS10	6607	961706	1 - 325	15 - 339	AA457765, AI349129, AA824626, II24051, H73550, AA720833, AA378718, AW088835, AA045600, AI050070, AA339092, AI99992, AI99902, AC005237, AC011331, AC005102, AL031587, U52112, L44140, AC009288, AC005527, AP000552, AC007993, AC004963, AL049758, AI006345, AC005529, AC004967, AC000377, AL033525, 285986, AL022314, AC003684, AC003101, AL033429, 292844, AC002352, AC004893, AC005104, U91321, 297635, AC006040, AC004686, AL008718, AC002991, AC004851, AP000313, AP000050, 295118, AP000117, AC002492, and AF038458.
HWAAE23	6608	675326	1 - 750	15 - 764	AA610659, T94692, AC006388, AF111168, AL009174, and AC003663.

HWAAE55	6609	719194	1-349	15-363	AC002126.
HWAAE90	6610	778917	1-407	15-421	AA884296.
HWAAF27	6611	721151	1-432	15-446	AA652914, and AA807140.
HWAAF66	6612	908541	1-389	15-403	Z85996.
HWAAF81	6613	711203	1-336	15-350	
HWAAL31	6614	697716	1-537	15-551	
HWAAM04	6615	614973	1-394	15-408	R84880, AI032875, T27238, AW162263, T49209, AW388701, AW388609, AA918754, AI445934, AI733754, AA807287, AI285709, AI792664, AW004638, AI095123, AA099624, AI393841, AC005412, AF050154, AC002365, AI249921, AC005015, AC002045, AL049759, U91321, AP000285, AP000286, AC004262, AP000109, AP000041, AP000692, AC003049, AC002300, AC004084, AP000111, AP000043, AC004895, AP000212, AP000134, AL035209, AC004912, AP000295, AC005011, AC008126, AC002039, AP000031, AC006274, AP000252, AP000152, AP000010, AC004893, AC000097, AC007663, AC006549, AC006547, Z92547, AL080243, AL035562, AC012599, AL020993, AP000555, and AC006541.
HWAAM23	6616	675712	1-546	15-560	AA569796, AA190348, AW408725, T64954, AW407501, AW390099, AB011126, and AL040935.
HWAAR36	6617	915621	1-479	15-493	AC007032.
HWAAW74	6618	935602	1-567	15-581	AW402458, AW119493, AW192330, AA457685, R92629, AA350186, AW270258, AA580116, AA553448, AI124798, AI920972, AI678392, AC002115, AL049780, D84394, AC003695, AC005856, AC006530, AP000509, AL133246, AL035587, AC004185, AC002544, AP000690, AC004386, AC002418, AC005730, AL049986, AC004983, AP000689, AL035455, AC004019, AL011120, AC005914, AC005666, AC005972, AC003664, Z83840, AC007510, AL031230, AC007388, AE000660, AL031589, AP000512, Z84485, AP000555, AI024509, AC005261, AC006160, AC003983, AF196970, AC007676, AC007037, AC005037, AL031650, AC005520, AC006285, AL096712, AC005224, AC008115, AL009181, AC003077, D86992, AL049777, AL079303, AC005921, AP000694, D88270, AC007216, AC004033, AC006057, AC004531, D87675, AC006468, AC006017, AC005476, Z98051, AL023879, AC004526, AL022320, I78833, AC004893, AC002350, AC007055, AC004659, AC005500, AC007687, AL020997, AI022476, Y10196, AC008498, AC007298, AC005061, AC005004, AL031132, AL034406, AL021578, AC004813, AC004106, AC007546, AC002310, AC003071, AC006251, AC007563, AC004831, Z83846, AC006449, AC005015, AC007543, U66083, U63721, Z82246, AP000126, AP000204, AC004584, AP000089, AC005768, AC007226, AC005215, AL117337, AC00491, and AC007536.
HWAAY03	6619	923734	1-402	15-416	AW407837.
HWABA49	6620	859878	1-369	15-383	AA985132, AW407779, and AW068669.
HWABB37	6621	870088	1-368	15-382	
HWABE67	6622	751418	1-219	15-233	AL117351.

HWABE94	6623	1 - 528	15 - 542	AA693936, AI758902, AI347305, AI707616, AW235273, AA505993, AA007507, AI198564, AW008043, W89117, AI817959, AI014474, N78660, AI819949, AI818952, AI818934, AA827181, AA807696, AI478470, W28310, AI620079, W28761, AA504463, AA504537, C00613, AA630618, AA621088, AA034986, AA033755, AA609139, AW408062, R56755, AI342134, AI368615, D31434, AA252777, AA976522, AA779863, AA868560, W15149, AW385052, F11972, R33966, AI955209, T63060, T65487, T58123, AA443135, AW170522, AL039390, AL046681, AL042009, AL046137, AL047188, AI46483, AI049726, AA598862, AI890907, AI249936, AI672187, AL045903, AL042551, AL042503, AW337394, AB029003, and AC002400.
HWABF91	6624	1 - 437	15 - 451	AI805973.
HWABI18	6625	1 - 521	15 - 535	
HWABQ57	6626	1 - 517	15 - 331	AL134038, AA610414, AA091193, AC005593, Z95152, AC006112, AL121757, and AC003987.
HWABS04	6627	1 - 370	15 - 384	
HWABS51	6628	1 - 423	15 - 437	AA340284.
HWABT82	6629	1 - 105	15 - 119	AA468312.
HWABW02	6630	1 - 327	15 - 341	
HWABW15	6631	1 - 817	15 - 831	
HWABW34	6632	1 - 333	15 - 347	AL078584, and Z78726.
HWABW78	6633	1 - 338	15 - 352	AH17830, AI123348, AI123698, AH70030, N53143, AW342077, AI955224, H17323, AW000844, AA534687, AW294198, H17823, T5834, R69639, AI248017, R42888, AA553685, T26637, R69560, R36850, T34756, R39028, AI991788, T99687, and AF131762.
HWABX49	6634	1 - 333	15 - 347	AA243866, AW001383, R36135, AL078593, AB014580, and AC002526.
HWABX68	6635	1 - 373	15 - 387	
HWABY12	6636	1 - 565	15 - 579	AC006991.
HWACA38	6637	1 - 1037	15 - 1051	AW407984, AW408019, AA251937, H14675, and AL035530.
HWACB75	6638	1 - 448	15 - 462	
HWACG21	6639	1 - 324	15 - 338	AI888883, AA828227, AW303196, AA666332, AF732547, AW301350, AA468131, AL031289, AL121825, AC004889, AL031003, AC005138, AL049569, AC002527, AC002456, Z98946, Z83846, AL33244, AL035410, and AL109967.
HWACC64	6640	1 - 460	15 - 474	T18924, and AF075587.
HWACC68	6641	1 - 470	15 - 484	AA491189.
HWACC94	6642	1 - 309	15 - 323	
HWACH33	6643	1 - 389	15 - 403	
HWACH49	6644	1 - 438	15 - 452	AC008039.
HWACK78	6645	1 - 468	15 - 482	
HWACM17	6646	1 - 390	15 - 404	AW183544.
HWACP03	6647	1 - 659	15 - 673	

HWACQ19	6648	668093	1 - 514	15 - 528	AH418472.
HWACR28	6649	685983	1 - 390	15 - 404	
HWACR77	6650	771777	1 - 105	15 - 119	AC005058.
HWACV96	6651	787349	1 - 247	15 - 261	
HWACV04	6652	927275	1 - 466	15 - 480	
HWACX82	6653	705560	1 - 408	15 - 422	
HWADA93	6654	647703	1 - 919	15 - 933	R56516, R13563, H69607, Z42062, and 297989.
HWADE38	6655	709487	1 - 433	15 - 447	
HWADF26	6656	957347	1 - 1087	15 - 1101	AA424848, T60164, AA426628, AA173389, and AC007068.
HWADG01	6657	915567	1 - 412	15 - 426	AW022544.
HWADG26	6658	680182	1 - 410	15 - 424	
HWADG27	6659	958200	1 - 673	15 - 687	AW340327.
HWADI32	6660	698651	1 - 356	15 - 370	AC004223.
HWADI53	6661	727820	1 - 737	15 - 751	AI022632, AI022651, T91891, T84838, H47614, H47703, and N57905.
HWADI29	6662	690074	1 - 397	15 - 411	
HWADL02	6663	918986	1 - 302	15 - 316	AA380962.
HWADL36	6664	706697	1 - 868	15 - 882	
HWADM30	6665	868520	1 - 343	15 - 357	
HWADN19	6666	657528	1 - 374	15 - 388	
HWADN21	6667	670274	1 - 440	15 - 454	
HWADN46	6668	924888	1 - 711	15 - 725	T32685, R25015, T30407, AW401787, F07299, and Z44281.
HWADO54	6669	729136	1 - 562	15 - 576	
HWADP26	6670	680211	1 - 621	15 - 635	
HWADQ27	6671	682448	1 - 570	15 - 584	
HWADQ91	6672	693834	1 - 346	15 - 360	
HWADAR47	6673	944042	1 - 320	15 - 334	D19587, AW022757, AW021357, H08415, AA099186, R51350, AA058389, H07129, T30155, AI810672, AI700760, AA291583, Z38445, AI936412, AI913143, AA449107, AW383953, AI952893, AW025467, AI653296, AI823647, AI978760, AI890309, H13605, AW080154, and AB018298.
HWADS43	6674	675454	1 - 367	15 - 381	AW292252, and AC002107.
HWADS53	6675	717544	1 - 339	15 - 353	AW341101.
HWADV51	6676	916669	1 - 450	15 - 464	
HWADV82	6677	708688	1 - 403	15 - 417	
HWADW41	6678	722343	1 - 322	15 - 336	H26533, T77241, and AI206163.
HWADX46	6679	718647	1 - 556	15 - 570	AC000353, Z93341, AL135960, AJ131016, Z82176, and AC004263.

HWADX62	6680	868509	1‑497	15‑511	R14731, AA425283, AA703818, AA180056, AA180056, AI204310, AI338884, AA661084, AI355572, AL133861, AI653695, AA610644, AI754064, T07251, AL13819, AI446424, AI299352, AI086603, AI589378, T05002, R22196, AI823395, AI057560, AA342040, AC008039, AC005184, AC003683, AC007308, AC000007, AC005808, AC007911, AI139054, AB001523, AP000127, AP000205, AP000245, AC006132, AC005067, AC005067, AP000692, AC005326, AF124730, AF015416, AC004263, AL031680, AC006137, AL022165, AC002316, AC004605, AL034395, AC010205, 294865, AF124731, AL022158, AI049795, AL035413, AC004622, AC008044, AF030453, AC007372, AC005088, AL121757, AL049837, AC006581, AC006511, AC005594, AL049570, U80460, AC002528, AC005949, AC005730, AC005082, AC006121, AF111167, AC007688, AC003064, AP000532, AC002471, AC005374, AC005300, AC003422, AC004000, AC000115, AL117354, AL079342, AP000361, AP000151, AC005049, AP000009, AC006479, AC002060, AC009248, AC005358, AL035684, AC006557, AC002477, AC005295, AC005535, AC005225, AC008928, AL022313, AC004655, U52852, AC008038, U80459, AP000302, Z15025, M63543, I93163, AL008719, M63544, Z97630, AL008734, AF038458, AL008582, AC004242, AC004878, AC004797, Z97632, AL049636, AL031655, AL133241, AL022721, AC008126, AE000661, AL122021, AL033527, AP000555, AC004650, AC006369, Z84497, AC003072, AL035695, AL031311, AC004993, AC006120, AC004084, AC007227, AC016025, AL109865, AL109963, AC004897, AP000466, AC006285, U91318, AP000556, AP000514, L78833, AC010436, 293241, 297054, AC003687, AC005519, AL031427, AC004125, and AP001055.
HWADY59	6681	738874	1‑602	15‑616	AI821020, T60655, and AC005856.
HWADZ21	6682	670270	1‑368	15‑382	AL008725.
HWADZ84	6683	782682	1‑308	15‑332	
HWAEA55	6684	731094	1‑311	15‑325	
HWAEA60	6685	964384	1‑390	15‑404	AA603319, T99553, T82934, AW138561, AI393407, AA884256, AW269941, AA825272, D60479, and AI762108.
HWAEB19	6686	750811	1‑407	15‑421	
HWAEB94	6687	778009	1‑203	15‑217	AC005280.
HWAEC75	6688	852921	1‑1336	15‑1350	AA259167, AW275379, AA417330, AA417318, AW451308, AA259128, AI286274, T74279, F12417, FI0034, T89018, AA021236, A907832, AA565356, T23907, and AC006011.
HWAEG01	6689	915064	1‑326	15‑340	
HWAEK82	6690	868489	1‑451	15‑465	AW392670, U46349, AL119483, AL119418, AL119355, AL119319, AL119457, U46341, AL119324, AW372827, AW384394, AL119497, U46346, AW363220, 299396, AL119484, AL119363, AL119391, U46350, U46347, U46351, AL119443, AL119944, AL119341, AL134538, AL119439, AL119522, AL119396, AL134902, AL119335, AL042975, AL134920, AL037205, AL134527, AL134536, AL119399, AL043029, AL119496, AI142134, AL134531, AL134533, U46345, AL043011, AL042984, AL042614, AL042433, AL042433, AL134526, AL042544, AL043033,

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HWAEN20	6691	868490	1 - 459	15 - 473	AL042965, AL042450, AL042542, AL142139, AL043019, AL042973, AL043003, AL119464, AL042551, AB026436, AR066494, AR060234, AR054110, AS1671, and AR090079.
HWAFD52	6692	850048	1 - 483	15 - 497	R10255, and AC005940.
HWAFG08	6693	958173	1 - 448	15 - 462	AA669840, AA533725, AA604897, AA714453, AI471543, AA670468, AA493708, AI262909, AA491814, AI281881, AA682912, AI357288, AW080134, AA908422, AA346458, AA810370, AA284640, AL138265, AI298710, AA678436, AA931647, AS02866, AI246119, AA521323, AA493206, AA623002, AI061334, AI344844, AI860020, AI801600, AA503600, AA683036, AA513972, T56472, AI801591, AA491284, AW301350, AI350211, AW303196, AI610159, AA525824, AA678443, AW274349, AI345518, AA771811, AA521399, AA630030, AA593247, AA485291, AA806796, AI343137, AA469451, AA649542, AA649484, T07451, AI686809, AA649722, AA553465, W79504, AI708009, AA621704, AW269488, AA653618, N25296, AA350859, AW084252, AA669251, AA507824, AA973803, AA599920, AW084961, AW193432, AW419262, AW072923, AW193265, AA664015, AA568778, AI537955, AI688846, AI887483, AW438643, AA584167, AI471481, AA729721, AI8320, AW303876, F36273, AA480772, T05101, AA454319, AI345654, R98967, AI282832, AI281697, AI245679, AA551503, AW151727, AA610491, AA749068, AL119691, AW406659, H77643, AW088202, F18638, AA828042, H81785, AA526342, AA744031, AA252763, AA158956, AI499938, F16274, AI674873, AI929531, AW029038, AI339850, AW440836, AI053672, AI046205, AA719805, AA644207, T06556, AW088058, F18974, AA719080, AI270117, AA368916, AI446464, AA364429, AA244357, AA649642, AI251002, AA663962, N63352, AA507776, AA338486, AA831375, AW102955, AI619997, AW327868, AA371533, AI243584, AA523838, N55273, AA309841, AW339568, AI160117, AA873552, AA252263, AI251436, AW023672, AI287651, AI002834, AI471464, AA104657, AA468131, AW261871, AA664407, AA661232, AA634145, AW265385, AA492166, AI962050, AA598586, AA984708, AA862173, AA487858, AI653905, AI469003, AI580652, AA602528, AW302013, AA837084, F03525, F23250, AA649705, AA722048, AA634146, AI696962, AA825357, AI434706, AI890923, AA708352, AI355206, AA569468, AA810318, AI697208, AI367497, AI046409, AA133406, R97780, AI445582, A493471, AI471487, T06828, AF150152, AA133333, AW103981, AA194761, T53128, AI003751, H71429, AI307608, C06303, AA233519, AI254316, AA586562, AA515128, AA570227, AA579736, F10924, AA501722, AA837677, AA044940, AA280632, AI379719, AI888008, AA577906, AA635442, AA437161, P01314, AI038705, AW238278, AA528516, AA426277, AA829223, AA365694, AA970213, AI002820, AA249997, AA654761, AA578481, AA558015, AA340747, AA713891, AA532524, AW276435, AI033547, AC006449, AC002369, 298257, AC006130, AL121652, AL031729, AI021918, AF176815, AC005690, AF196779, AL031123, AL031005, AC006511, AC005911, AC005011, AL022476, AL049712, AC004957, AC005072, AP000047, AC005484, AC006040, AC004067, AC006211, AC004812, AC006430, AC007227, AC004858,

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AP000311, AC018633, AP001172, AL034420, AL121658, Z83346, AC005670, AL133399,
AF109907, AC004134, AL031675, AC003043, AL031366, AF042090, AP000555, D84394,
AP000557, AC006079, AL050332, AC006071, AF006752, AL031848, AL031276, AC005755,
AC005778, Z82198, AC003026, AL121653, AC004796, AC004796, AC009464, AC005632,
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AL096791, AL132987, AL035079, U07000, AC002549, AC007450, AC005280, AC007242,
AC009233, AC007664, AC003007, AC002070, AF001152, AC005844, AC009721, AC005512,
U80017, AP000475, AL031347, AC006137, AC004765, AC002984, AC005015, AL121603,
AL049869, Z54336, AL079295, AP000244, AC002563, AC004098, AL022322, AL121934,
AL023803, AC006312, AC007446, AL031224, AC005531, AC007726, AC000075, AL121655,
Z80903, Z95114, AD001527, AC005599, AL023875, AP000568, AL117351, AC005771, Z93930,
AL050318, U95740, Z94721, AC004922, AC005231, U91326, AC004991, AC002431, AL035409,
AC011604, U67827, X75335, Z99128, AP000477, AC003684, AC004862, AF020503, AP000297,
AP000959, AL031121, AC002472, AL035455, AC004903, AL022719, AC004596, AC005060,
AL121757, Z98048, AC008039, Z84480, AL133371, AC006547, AF134726, AC005209,
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AF064865, U78027, AB020866, AP000567, AL031255, AC030086, AC005488, AC001231,
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AL096861, AC005567, AC005086, AF130247, AP000351, AC016831, AP000509, AL121767,
AC007686, X60459, AC004990, AC006530, AC006925, AP000689, AC006046, U62317,
AC005736, and AC006115.

N34609, H08455, W22751, AC007566, and AL137349.

T27535, AF106037, AF222340, AB011097, and AF183569.

AW161021, AI870319, W46922, AB035173, and AB035174.

AC005534.

AI337376, W86648, N46466, AA522544, AI341807, AI651516, W86523, AI279721, AI245138.

HWAFR09	6694	973926	1 - 377	15 - 391
HWAFT03	6695	92832	1 - 399	15 - 413
HWAFW34	6696	926801	1 - 278	15 - 292
HWAFW39	6697	947915	1 - 518	15 - 532
HWAFX39	6698	907631	1 - 371	15 - 371
HWAFY24	6699	868427	1 - 347	15 - 361
HWAFZ13	6700	873396	1 - 501	15 - 515
HWAFZ82	6701	868426	1 - 525	15 - 539
HWAGC76	6702	941311	1 - 596	15 - 610

					and AI262580.
HWAGD11	6703	965895	1 - 610	15 - 624	AW403858.
HWAGD58	6704	869383	1 - 839	15 - 853	AA976889.
HWAGE40	6705	926279	1 - 291	15 - 305	N32456, and AL008730.
HWAGG79	6706	930876	1 - 274	15 - 288	AW027612, AI768368, AI337456, and AF015416.
HWAGI49	6707	838759	1 - 574	15 - 588	295152.
HWAGK95	6708	868403	1 - 983	15 - 997	
HWAGL53	6709	842011	1 - 639	15 - 653	AI668608, AI820783, and H25907.
HWAGM33	6710	888685	1 - 1127	15 - 1141	AW027021, W60174, AW385598, AW070853, H11581, H23044, AW028265, R55140, AA018982, R55003, AA330790, N80215, and AC004408.
HWAGX37	6711	959586	1 - 648	15 - 662	AA496792.
HWAGY05	6712	931001	1 - 679	15 - 693	
HWAGZ22	6713	868523	1 - 554	15 - 568	AA381062, and AP000497.
HWAHI10	6714	960646	1 - 1811	15 - 1825	AI337112, AW157251, AI359543, AW025067, AA033852, AI923582, AW173477, AI469426, AI337164, AI248222, AI914411, AI218210, AW163254, AW264530, AA058937, AA846393, AI217342, AA307853, AA865741, AA037115, AA007277, AA482294, W76232, AI284228, AA007278, AI654340, AW242373, AA861264, AI494032, AI362710, AW029549, AA741378, AI807032, AI589216, AI302432, W72995, AI683775, AA813389, AW083309, AI280097, AA782972, AW002572, AA446320, AI91924, W70165, AA461498, AA354364, AA460572, AI216403, T32711, AI566648, AA482207, W70107, R41710, AA100835, AA314521, AA355060, Z40294, C03019, C04495, AA354171, AW237755, AI36131, AA337563, AA897525, AI040822, R18164, AA897166, AW387825, AW387760, AW387866, AW387873, C01307, AW387848, AA832384, AW381883, AW381787, AA330348, AF113538, and AL137375.
HWAHS94	6715	909667	1 - 533	15 - 547	AA004442.
HWAIB02	6716	918215	1 - 595	15 - 609	
HWBAB43	6717	715110	1 - 410	15 - 424	
HWBAB69	6718	582109	1 - 375	15 - 389	AI333255, AA453914, T83122, AA227768, AA454795, AW129554, AW129267, AI378305, AI191481, AF042810, AF042799, and AF042800.
HWBAC22	6719	823086	1 - 1044	15 - 1058	AA916171, AC003049, AC004917, and AC005785.
HWBAL44	6720	959449	1 - 553	15 - 567	AI018289, AA909162, AI472103, AW410437, AA303718, AA102327, N28787, AA059290, AW410431, AA054210, H86396, H86516, AA019783, AI684487, R28900, AI117550, AF113127, AF151877, and AF16152.
HWBAN54	6721	729329	1 - 380	15 - 394	AI028018, T18971, and Y15381.
HWBAQ16	6722	868363	1 - 1070	15 - 1084	
HWBAR44	6723	715963	1 - 397	15 - 411	AI140130, and AA719976.
HWBAR90	6724	788700	1 - 631	15 - 645	

HWBAS92	6725	960197	1 - 723	15 - 737	AW131438, and AA176971.
HWBAX06	6726	935032	1 - 103	15 - 117	
HWBAX39	6727	630220	1 - 453	15 - 467	AC005037.
HWBAZ51	6728	707033	1 - 401	15 - 415	
HWBBA64	6729	927809	1 - 448	15 - 462	
HWBBA83	6730	775401	1 - 557	15 - 571	AW178515, AW178491, AW178488, AW178658, AW178490, AW178544, AW178489, AW178541, and AW178487.
HWBBB48	6731	559708	1 - 236	15 - 250	
HWBBB01	6732	851029	1 - 385	15 - 399	AL020996.
HWBBF31	6733	868359	1 - 300	15 - 314	AF110908.
HWBBI20	6734	669491	1 - 365	15 - 379	
HWBBI54	6735	971547	1 - 471	15 - 485	
HWBBL78	6736	723183	1 - 661	15 - 675	AW070392, T86121, AI919539, U54727, and T91169.
HWBBM28	6737	686259	1 - 410	15 - 424	AW378979.
HWBBO46	6738	718858	1 - 640	15 - 654	R09834, and AR067844.
HWBBQ40	6739	660971	1 - 313	15 - 327	
HWBBQ86	6740	656704	1 - 446	15 - 460	AA744115, and AA744222.
HWBBR65	6741	747723	1 - 356	15 - 370	H57595, AC010205, and AC005409.
HWBBR78	6742	663728	1 - 342	15 - 356	AC004098.
HWBBV03	6743	868346	1 - 417	15 - 431	F34850.
HWBBV59	6744	682344	1 - 334	15 - 348	
HWBBV83	6745	771349	1 - 454	15 - 468	AA906879, AW207599, and AI240477.
HWBBW11	6746	966665	1 - 569	15 - 583	D20490, AA604681, AL049557, AL137199, and AL137198.
HWBBX08	6747	860880	1 - 642	15 - 656	
HWBBY01	6748	916036	1 - 906	15 - 920	AW339320, AI697885, AI150606, AA213437, AA243510, AW339015, and AC007298.
HWBBY74	6749	711633	1 - 715	15 - 729	AC007685, and AC007284.
HWBCA14	6750	768667	1 - 355	15 - 369	
HWBCA22	6751	674236	1 - 458	15 - 472	
HWBCA92	6752	712731	1 - 538	15 - 552	
HWBCC85	6753	784189	1 - 304	15 - 318	AL119762, H07953, F08248, AI307608, AI754336, T74524, AI696962, C15363, AI369580, AI821714, AI791133, AI791913, AA528559, AL037683, AA283730, AI669589, AA715814, AL135357, AA838190, AI431303, AI076228, AI580250, H65400, AI821785, AI793172, AI793209, AW264934, F12561, AW020992, AI696955, AW302705, AA579205, AI254316, AI609972, AW302659, AI061313, AA602906, AA829036, AW419262, AW020599, AA629992, AA507834, AI887235, AA297666, AA722372, AI244127, AA663201, AL135696, AI733856, AL038893, AA857486, AL138396, AA502991, AU079645, AA502991, AI574442, AA484267,

AI870197, AI55447I, AA749235, AI821931, AA659232, AA846935, AA746911, AA613232, AW103509, AA551503, AA17697B, AI284640, AA631480, AW340905, AW192265, AA468505, AW302711, AA765170, AW238583, AI755214, AI336054, AA504694, AA493708, AA177011, AW271977, AA502818, AA535216, AI754567, AW19389, AW19389, AA704593, AA679532, AA470969, AI291823, AI754105, AI144081, AA610509, AA569214, AW302048, AI567842, AW020088, AI753113, AI654247, AL120141, AI345654, AF088219, AC004675, AC007674, AC006449, AL049540, AC005531, AL121653, AL109984, AL121601, AC007066, AL096774, AL023575, AC004024, AC005280, AC004787, AC004972, AP000359, AC005040, AL008629, AF038458, AC005215, AC004905, AL133448, AC005776, AC006530, AC009044, AC003407, AI010770, I51997, AL022323, AC007666, I78810, AL096791, AL075831, AL022320, AL133992, AC008044, AL021877, AC004019, AL139054, AC020663, AC002425, AC007686, AC004659, AC006138, AL031297, AC000052, AL109963, AL031311, AC007842, AL049747, AC005632, AF091512, Z98744, AC005081, AC000066, AC005399, AL049830, AC004002, AC005409, AC004263, AC006026, AC008372, AP000351, AP000345, AL132326, AL131983, X35933, AL049569, AC007656, AC005095, AC007363, U91326, AL035422, AC002406, AC005005, AC005562, AC004526, AL021391, AC002377, AC00441, Z85986, AC002316, AC004953, AL021917, AC002258, AL022398, AC005884, AL034420, AP00052B, U95742, U18393, AC009247, AL109839, AL020997, AC002395, AC006578, AC003043, AC004647, Z97054, AC004983, AL035587, AC002470, AC004079, AC005291, AC007011, AF111169, AC003147, AL035249, AC007151, Z86090, AC007059, AC003957, AL035517, AC006041, AP00051, AC002476, AC004814, AC004650, AL034402, AL096701, Z99716, AC007050, AC002544, AC005341, AC005578, AC006013, AC006116, AC008043, AC008080, AC005920, AC005191, AC035088, AC006509, U35114, Z84469, AC006241, AC004638, AL080043, X55924, AP000557, X55925, Z97832, AP00513, AC006023, AL035659, AL031005, AC005920, AP001054, AC004858, AC004878, AB000877, AC005530, AC005535, AC00811S, U18387, Z73417, AL049715, AF217403, Z98200, AF13476, AF043945, AC00651, AF196970, AC00810, AC004887, AC004884, AC005553, AL031295, AC002477, AC002559, AL031587, AL049636, AC002239, AC007041, AP000356, AL021808, AC011604, AC002369, AF001549, AC005913, AC025072, AB023049, AP000088, U04355, AC008071, AC004859, AL031668, AL033251, AC004806, AC005616, AP000689, AC006126, AC006999, AP000030, AP000065, AF196969, AC004765, AC007226, U57005, AF196779, AL109985, AC002314, Z82194, AF053456, AD001527, Z98200, AF13476, AF043945, AC00651l, AF196970, AC00810, AC004887, AL034351, AP000134, AP00021Z, AC005233, AC008040, AL008635, AC006041, AL049869, AC002091, AC004966, AL021155, AC001604, AL021395, Z84480, AC004525, AL022163, AB003151, AL031315, AC006515, AL031123, AL008582, AL049692, AC004099, AF109907, AL021154, AL008721, AC006312, U47924, AC006064, AC005193, AC007543, AC005011, AL049832, AL109627,   and AC007308.

					Accession Numbers
HWBCC90	6754	744828	1 - 368	15 - 382	AI791659, AL133861, AW275432, AI537356, H66812, AA515165, AI198211, F00112, T07569, AW438806, AI350189, AW302048, AI369977, AP000153, AP00011, AF001549, AC004448, AC006026, AC005519, AC005057, AC005089, AC006080, AC005996, AC004796, AI031295, U87810, AC004841, AC004765, AC004019, AC005412, AL080243, AF128525, AC002477, AL049795, U07563, AL096763, AL049757, AC007707, AC004973, AC006468, AC006571, AL080250, AC004817, AC004985, AC005670, AL031003, AC007686, AC005839, M63796, AF134726, AL024507, AC006515, L78833, AC005971, AC005666, AJ246003, AC006512, AP000555, M89651, Z83844, AC003010, AC005231, AC006277, AC005922, AC005837, AC006285, AL121658, AC007934, AC009689, M81890, AL023584, AP000030, AF165926, AB014079, AL031281, Z92545, AC004975, AC004881, AC005730, AL079340, AC006044, AL035587, AC002463, AL034423, AC006344, AL109628, AL022163, AC008044, AC005480, AL031589, Z98044, U91318, AL031662, AL096791, AC006121, AC006511, Z93018, AC009263, AC007536, AP000337, AC005907, AL050307, AC005913, AC002306, AC005072, AC007993, AL031680, Z94056, Z99716, AL021808, AL035460, AF205588, AC005755, Y14768, AC005529, Z83840, AC002527, AC004929, AC002420, AC005753, AC004150, AP000704, Z95331, AC003037, AP000505, AC004686, AC005828, AL031846, and AC005800.
HWBCR85	6755	738552	1 - 305	15 - 319	AC002302.
HWBCG35	6756	707803	1 - 286	15 - 300	N28654, AA339066, and AA361150.
HWBCG45	6757	527679	1 - 333	15 - 347	AF123320.
HWBCI65	6758	868326	1 - 322	15 - 336	
HWBCN09	6759	868325	1 - 809	15 - 823	AC007032.
HWBCN55	6760	715064	1 - 548	15 - 562	
HWBCQ10	6761	964233	1 - 802	15 - 816	AA508891, AA364869, AI537814, AI039257, AI823679, AA774098, AI798242, AI065031, AI064786, AP000153, AP00011, AC002301, AC004882, AC006126, AC005015, AC002150, AC003982, Z83340, AC005529, AC007136, AC003101, AC007283, AC004796, AC004883, AP000692, AL096701, AL031685, AC006930, AC006146, AC004185, AL049569, AC005280, AP000501, AC006312, AL035587, AP000247, AC005726, AC005484, AF001548, AC006487, AC005156, AC005231, Z84469, AC005844, AL121653, AC002073, AC004552, AC004895, AC004983, Z93017, AC005562, AF111168, Z98743, AC005520, AC005049, AC007066, AP000509, AP000115, AC000379, AC005183, AC005004, AL033527, AC003104, AC004765, AC004890, AC005914, AC004263, AC005081, AC004383, AC007041, AL133163, AL049830, AL121658, AC005808, AC004099, AC004084, AL022476, AP000252, AC002381, AC002312, AC007298, Z99716, AC005527, AC004032, AP000512, AP000552, AC005300, AC005954, AC004985, AD000091, Z98884, AC005006, AL008718, AF003626, AL022330, AC005412, AP000556, AC005921, AC004878, AL049869, AC005531, AC004832, AC005940, AL031283, AC006388, AC005971, AL022165, AL008582, AC005182, AP000557, M89651, AC003108, AC003072, AL035072, AC008115, AC006430, AL137191, AC005409, AC004651.

HWBCQ29	6762	943720	1-669	15-683	AC004859, L78833, AC005071, AC005736, AL031680, AC007201, AC004821, AC004953, AL035658, AC002395, AC010168, AL031846, AC005632, Z93930, AC005225, AC005288, AC020063, AC007191, AC005903, AC000052, AP000144, AP000279, AC005356, AC002472, AL068719, AL035681, AC004236, AC010077, AC010205, AC007308, AC002476, AL034423, AC005972, AC005856, AC006047, AC004638, AC004542, AC002070, AP000553, D84394, AC005822, AC006064, AC007338, AC002982, Z98941, AF109907, AL121652, AC002991, AL135744, AC004796, AP050154, AL031584, AC004491, AL031848, AC005399, AC007263, and AP000555.
HWBCS21	6763	960025	1-499	15-513	AL022098.
HWBCS66	6764	765986	1-799	15-813	AW192334, AA845292, and AL034397.
HWBCU82	6765	955858	1-368	15-382	
HWBCW04	6766	925649	1-530	15-544	AA758151, AW303196, AW369785, AI820920, AA478048, AI821670, AA478209, AI874096, AW301350, AA584125, AL135357, AL042853, AA661125, AW022897, AA100718, AI819140, AA601202, AL038606, AL044340, AI733129, AA719292, AI683131, AI873990, AW022655, AA088327, AA522897, AA972809, AI557808, AI345797, AA376014, AI309375, R51018, AA584733, AI673336, AA577824, AW023662, AW274349, AA631517, AA912287, AW265032, AW419293, AL048135, AA630456, AI311034, AA344176, AI054333, AW384990, AA767637, AI345007, AA652790, AW079761, AI421841, AI254913, AI031985, AC005520, AI030037, AL009172, Z84469, AC010169, Z81365, AC004894, Z99127, AC006479, AI964863, AC002564, AC000353, AP000356, AC004143, AC007011, AC005018, AC018767, Z69838, AI031681, AC004388, AC009028, AC005668, AC004478, AL050321, AC005277, AC006251, AC004972, AC005075, AC007216, U95742, AC005003, AL121578, AC007198, AC003071, AC007314, AC002059, AL031656, U85195, AC006509, AC004088, AE000658, AP000555, AC002982, AC004856, AC003104, AP000035, AL035697, AC004148, Z97053, AL135960, AJ131016, AC005288, AC004458, AC004694, AC005994, AL021397, AL022165, AC002565, AC005747, AP000223, AL031291, AL022326, AC005690, AC005245, AC005251, AL022319, AC003658, AC004240, Z84484, AC004408, AF015148, AF020662, AL133445, AL031846, Z93244, AC008038, Z98304, Z98051, Z92910, Z33846, AC004967, AC008041, AP000694, AC004087, AC004112, AC000509, AC005011, AC007263, AL035072, AC005952, AC006077, AC003003, AR036572, U91328, AC007773, AF196779, AL109847, AL031055, AC004675, AC005486, AC008967, AF001549, AL133243, AL031283, AC004147, AC004051, AC007283, AL031281, AC005940, AC002990, AC005104, Z83844, AL121580, AJ222336, AC001422, AC001193, AL031654, AC004648, AC007226, AF129756, AC005019, AC002385, AL021878, AL031575, AL078604, AF029308, U78027, AC007292, AI239322, U91323, AC006075, AC002277, AC007686, AL049692, Z82198, AC005411, AP000697, Z84466, AC006333, AL022067, AL031053, AC008372, AC004079, AP090940, and AL035422.

HWBCW88	6767	882592	1 - 1321	15 - 1335	A990120, AA010663, AA115329, AA132893, AA115240, AW451010, AA143167, AA947167, AA479671, AI807656, AI003817, AA862814, AA484865, AA889038, AA021652, AI338488, AA035167, AA193491, AA193487, AC007376, AF111169, and AB028959.
HWBCW90	6768	731395	1 - 556	15 - 570	ALO22150.
HWBCY30	6769	828318	1 - 532	15 - 546	AW274000, AI768670, AI291098, AW044308, AW292871, AI333095, AI763411, AI277756, AD277757, AW295995, AI640134, AI438941, AA833791, AW928138, AA768096, W44749, AI075028, N26246, AA213455, AW004641, AA210668, AA724426, AW973149, H18543, AA827829, AA743465, H09231, R25082, AI028653, T10351, R33461, AI364487, and Z46059.
HWBDL50	6770	724145	1 - 593	15 - 607	AA486469, AA410963, AI791905, AA459612, W31955, AW137789, AI739525, AW204945, AW291807, and AJ388555.
HWBDM24	6771	963498	1 - 1027	15 - 1041	
HWBDP31	6772	697705	1 - 414	15 - 428	
HWBDR66	6773	750586	1 - 510	15 - 524	AC004381, and AC005820.
HWBDS89	6774	771950	1 - 432	15 - 446	
HWBDT15	6775	659939	1 - 217	15 - 231	
HWBDW71	6776	597259	1 - 424	15 - 438	AC009263.
HWBEA72	6777	950702	1 - 261	15 - 275	AW006846.
HWBEI17	6778	924913	1 - 197	15 - 211	
HWBEI53	6779	968493	1 - 106	15 - 120	
HWBEL53	6780	727617	1 - 342	15 - 356	AC004916, AC006328, AL133216, AC004842, AL031259, and AC004908.
HWBEL70	6781	735390	1 - 443	15 - 457	
HWBEL85	6782	954600	1 - 294	15 - 308	
HWBEV44	6783	716215	1 - 536	15 - 550	N28544, and H99861.
HWBEV94	6784	788574	1 - 709	15 - 723	AI391698.
HWBEX27	6785	682583	1 - 475	15 - 489	R98173, AA194819, AW338123, AW152107, AI242261, F05684, AI824448, AF205935, AB011090, and I41142.
HWBEY38	6786	709497	1 - 418	15 - 432	AA772370, H27788, H91330, AA644090, AA676592, AA613257, AA551181, AA463590, AC005914, AC009516, AC007216, 268756, AC005954, I95742, AC006273, AC004477, AC005736, U91326, U91326, AI009610, AC006241, Z84480, Z85986, AC012384, AL022323, AC005899, AC007993, AP001060, AC002115, AI139054, AC005529, AC009247, AC004019, AC007766, AC005081, AC005620, AC004967, AC005015, AC006468, AC005037, AL035587, AC005971, AL022721, AL022318, AC002318, AC006441, AC002543, AF111167, AC006449, AC005527, AL021918, AC006001, AC005520, AF129756, AB023050, AL022320, AL109628, AL109952, AC004812, AL050318, AC007386, AL133245, AC004125, AL132712, AC002492, AC007226, AD000092, AC004929, AP000557, AC002312, 293930, AC004491, AC004462, AC004099, AL031295, AC005696, AC003109, AC007298, AL034420, U85195, AC007676, AC004832, AI053356,

HWBEZ47	6787	719940	1 - 397	15 - 411	U91323, AL031846, AC004883, AP000967, AC005940, AP000505, AC005264, AC004874, Y14768, AC007363, C99716, AP000511, AL035086, AC006352, AC005288, AF001548, AE000658, Z93023, Z98051, AC003684, AC005619, AL031003, AC005231, AC006120, U52112, AC004139, AC007358, AP000465, AP207550, AC005065, AC004659, AF111168, Z97054, AC007011, AC005839, AL020995, AF124523, AF134726, AL049869, AC002544, AL133244, Z93017, AC002238, AC005667, AF109907, AL022336, AL133448, AL034422, AC018633, AD001527, AB023049, AC000353, AL021397, AC002350, AC006344, AL031432, AC004148, AC005225, and AC004386.
HWBEZ69	6788	664699	1 - 420	15 - 434	AW15176l, AA740571, AA741403, AA631973, AA657910, AA225100, AA664248, AA527109, AW32414, AA768179, AW341882, AW019964, AL137946, AA774006, AW238495, H43183, AW06580, AI409954, H65897, AA662629, AA807704, AI671077, AA550959, H94979, AI754721, AA847427, AI871691, T05617, AA847508, AL047480, AI223968, AI791659, AA302682, AW407632, AA860035, AW104163, AA596656, AA553570, AA515172, AI630413, AA329555, AA663431, AA994766, AI859906, AI636422, T40550, AA862075, F32248, T02817, T05684, AW132097, AI637356, AW169124, AW020875, AI653783, AA402113, T56181, AA225023, AW069412, AA657744, AI567391, F32213, AA015948, R87135, AA714073, H86579, T46997, AA368329, AI047467, AI453160, AI564294, AI378437, AW079737, AA714110, AA831997, B34909, AA225795, AA323644, AA502110, AI471455, AA484892, F32705, AA612765, AI283033, AI267450, AI283938, AI471467, AI826761, AA487829, AI928890, N79228, AL039309, N71579, AI536834, AI561054, AA810158, AW085790, AA716460, AA586133, AW272740, AI583936, AA599199, AI754170, AW438876, AI256440, AW083934, H16875, AI561047, AI635609, H15241, AA687343, AI201668, AI370302, T03928, AI249688, AI594004, AW108184, AA678960, AI927261, AA653291, AA076418, AA566084, AA640252, AI694178, AA472105, N29936, AA664436, N63891, AI821249, AI837760, H91062, AW007424, AA828045, AA754447, AI554507, AA579281, AW128881, AW837771, AI003804, AA742775, AA748102, AA594631, AI859076, AI567, AI569100, AW192599, B34070, AI816136, AI583291, AI754105, AI369076, AI753214, AI354602, AI679390, AI679898, AA297776, AA515924, T94072, AI25639, AI474110, AI080307, AI936182, AL048825, AA568314, AI624379, AA569226, AA557945, N20001, F26713, AA126475, AA507526, AW190484, AA714062, H78898, A79260, AA557907, AA180180, AA66996, AI858632, W63553, AI246096, AA018923, AA862029,
HWBEZ90	6789	923008	1 - 473	15 - 487	AA012829, AA98610, T9716O, AC002472, AC007664, AC004486, AC007276, Z63710, AC003029, S77605, AA07546, AC002472, AC006318, AC004913, AL021453, AF111168, AC003969, AF161528, AC004506, AC005594, AI021807, AC002404, X64467, AC003657, Z98304, AP000703, AC018633, AL031284, AP000702, AC004975, AL031597, AC007510, AC004794, AC002468, AC005157, AC006241, AC004149, AL049872, AL121825,

| HWBEZ94 | 6790 | 856472 | 1 - 342 | 15 - 356 | AC019014, Z81365, AC006388, Z81357, AL049748, Z85987, AF196972, AC004531, AC002380, AL031659, AC010200, AL133371, AC005082, AL050337, AC005231, AL031230, AL023803, AL031914, U63630, AL031846, AC005954, AC005031, AC005546, AB023978, AC005696, AL109753, AC009463, AF196779, Z83845, AC009501, AC004483, AL031393, Z83851, AC004999, AL024494, AC004893, U80017, AC006511, AC009363, Z84467, AC004601, AC005684, AC003956, AC004409, AC004859, AC007114, AC007565, AL031985, AF092907, AC005015, Z95589, AF064361, AL035697, M17262, AC005620, Z93244, AC004383, Z99716, AC003982, Z83326, AL022721, AL049713, Z98200, AL096791, AL049869, M22970, AC002126, U96776, AL096618, AL023575, AL035682, Z84481, AC000085, AC005793, AC004685, AC004890, AP000234, AC003010, AL035246, AC007225, AC006501, AF111170, AL021546, AC004678, AL031281, AL022311, AL035414, AC002072, AC006312, AL022330, M29930, AF067572, AB000876, Z49866, AC004181, AP000506, AP000695, AL049760, AB000832, AC012099, AP000696, AC005971, AF015720, AC007686, AC006543, U43572, AC006077, AC004056, AF006501, AL049653, AP000121, Z74617, AF118808, AL031431, D89927, AL133353, AC007387, AC005516, U83195, AF139658, AL031680, AL136168, AP000082, AC004692, Z84469, AC006512, AC009399, U47924, AL035659, AC004032, AC000025, AB000658, AC004796, AC004869, AF055066, AI229041, AC007401, Z69705, AC006079, AC006058, AL008582, Z99129, AB023050, AL035461, AC004254, AF124523, AC005759, AL049561, AC006544, Z99129, AB023050, AL035461, AC004254, AF124523, AC005759, AC006125, AC004212, AP000512, U78027, AC006011, Z83822, AC004754, M84472, AB020696, AP000301, AF109907, AC005089, AL050307, AP000212, AP000113, AP000045, AC004585, AL035448, AL078638, AC005261, AC005089, AL050307, AP000212, AP000134, AC004941, AL021154, AC007237, Z94044, AC006930, AC005225, AL035422, AC006992, AP000504, AR004690, Z95331, AC004674, AL109623, AL049590, AF196970, AC004131, Z68164, AL031904, AC005332, AP000031, AC005348, AC005940, AL115744, AC007226, and AL109963. AA730448, AA631915, AI760850, AI221027, AI312614, AI038029, AA394283, AI889177, W58735, AI148840, AI708565, AL120719, AA494047, AW419227, AA632355, AA618531, N35115, AA513189, AI049630, AA525517, AA125758, AL037699, AA679336, AA670459, AL024474, AC005753, AC007130, AC006261, AL109982, AC006024, AL109758, AC005695, AC007160, AL022158, AC005015, AC002115, AL024507, AC005598, AP000303, AP000114, AP000046, AL050341, AC004929, AC005684, AC004695, AC006449, AL031719, U70878, AF196972, Z95115, AL020997, AC003093, AC002126, AL020995, AC005632, AL132987, AL033462, AC007016, AP000260, AP000099, AC005104, AP000036, AL133289, Z98047, AF001552, AC004703, Z94044, AL031447, AF118808, AC006360, AC004812, Z85986, AC004912, AP000553, AC008123, AC007878, AF152365, AC004041, AL049843, AP001171, AC000025, AL135744, AC010349, AC007917, AC004414, AC004041, AL049843, AP001171, AC000025, and AL109963. |

HWBFE76	6791	769769	1 - 407	15 - 421	AF141308, AL049650, AO004987, AC005071, AL031228, AC005618, AC005527, Z97634, AC004227, AL121769, AC007386, AC005089, AC006001, AC005924, AL033405, AC007057, AL049872, and 298048.
HWBFG09	6792	625162	1 - 200	15 - 214	
HWBFL35	6793	722921	1 - 346	15 - 360	AI307391, AI866416, AI934536, H84364, AW380728, AA411978, AA411931, R56481, AA128370, AI000242, AW299845, AA379919, AI432666, AI432644, AI623302, AI431307, AI431316, AI431238, AI432650, AI431315, AI432653, AW081103, AI431323, AI432654, AI431321, AI047611, AW058275, AI042729, AI431235, AI113424, AI042655, AW193606, AI043166, AI431246, AI042853, AI590043, AI500714, AW151974, AI042533, AI872315, AI682915, AI042787, AI889208, AI153012, AI866786, AI042508, AI042842, AI042488, AI043089, AI043295, AI537667, AI494201, AI500659, AI042931, AI866465, AI355008, AI289386, AI815232, AI801367, AI494250, AI500523, AI538850, AI887775, AI552932, AI923989, AI872423, AI284517, AI491710, AI500706, AI445237, AI491776, AW151138, AI889189, AI521560, AI500662, AW172723, AI539800, AI284509, AI538885, AI440263, AI889168, AI86573, AI633493, AI434256, AI866469, AI434242, AI805769, AI888661, AI284513, AI888918, AI859991, AI436429, AI866484, AI355779, AI889147, AI581033, AI371228, AI440252, AI046356, AI860003, AI610557, AI045327, AI247736, AI043521, AI828574, AI887499, AI539781, AI539790, AI500557, AW089957, AI521571, AI884585, AI042515, AI890907, AI445256, AW057325, AI507714, AI866438, AI432677, AI052912, AI623736, AI047675, AI040207, AI804505, AI815239, AI863210, AI866691, AW194509, AI926593, AI289791, AI469775, AI285417, AI927233, AI432656, AI521551, AI285439, AI654286, AI440238, AI042802, AI924051, AI567991, AI539260, AI043591, AI702065, AI885949, AI285419, AI866581, AI866461, AW071057, AI567953, AI43150, AI446495, AI052433, AI889191, AI867068, AI225248, AI043278, AI371251, AI158271, AI866510, AI798359, AI28249, AI698352, AI475298, AI371229, AI471229, AW293046, AI890472, AI371237, AI043091, AI045328, AI042551, AW151136, AI539990, AI671642, AI357664, AW151979, AI582944, AI440260, AI648567, AI500501, AI431157, AI474699, AI866438, AI047422, AI521596, AW192487, AW132015, AI080007, AI883665, AI048951, AW151132, AW193598, AI433160, AI955221, AW197139, AI366900, AI554821, AI042832, AI275175, AI440236, AI122101, Y17793, AI133053, AI133049, AI133076, AI133074, AI049423, U75932, AI133655, U30290, EI3398, S36676, AI122049, AC004213, AI133084, AR055519, AI133070, AR034821, AI133051, AL022723, AL130607, AI133035, AL130200, Y14634, AF002985, U57352, AF126531, and L69719.
HWBFL96	6794	708955	1 - 392	15 - 406	AA830979.
HWBFM58	6795	735701	1 - 367	15 - 381	
HWBFM78	6796	773289	1 - 544	15 - 558	

HWBEN30	6797	691611	1-262	15-276	AL031733.
HWBFY69	6798	754729	1-491	15-505	AL049636.
HWBFY88	6799	701904	1-134	15-148	AA747998, AI815031, N67227, C01451, AI223999, AA831672, AW297416, AI371399,
HWBGB08	6800	958611	1-194	15-208	AA94323, AW439548, AW235171, AA06373, AW339548, AI635436, AI823872, R33402, AI356057, AA825399, AF130247, and AF165138.
HWBGB47	6801	948714	1-290	15-304	AA287163, N47440, AA002012, AA431617, AA259159, AA091603, N33783, R60031, AL134088,
HWBGD16	6802	924830	1-600	15-614	AL134530, AL134519, AL119439, AL119484, and AL043147.
HWBGF15	6803	659687	1-236	15-250	
HWBGI01	6804	915603	1-324	15-338	
HWBGI13	6805	656308	1-366	15-380	AA715873.
HWBGI30	6806	691511	1-298	15-312	
HWWAZ06	6807	933736	1-394	15-408	AI208828, and AI949453.
HWWDI03	6808	922463	1-554	15-568	
HWWEF06	6809	933697	1-605	15-619	A564440, AI792916, AI952802, AI380089, H05684, AW130075, AA745681, AA256184, AC006129, AC007065, and 297054.
HWWEN10	6810	961741	1-618	15-632	AA618155, AI924667, AI345256, AA804838, AA829199, AW022796, AI871940, AA578245, T03613, AA558134, AI149177, H94598, AI049999, AA364147, H86399, AA548605, AW028376, AI281622, AI254267, AI753969, R79396, T16147, AI282322, AA657808, AA984891, AI358505, AW268090, AA947352, AI640905, AI828721, AA196287, AA569206, AI744890, AA084148, AI434103, AI884404, AA449825, W27084, AA643768, W02419, AA367920, AW023390, AA825954, F16848, AI361401, C14724, AA489897, AW085626, W45215, AI002863, AI337612, R83710, AA608675, H83995, AC007793, AC003973, AF001549, AC005516, AC005231, AC009247, AC002544, AC002416, AL132987, AC002449, AL022320, U91326, AP000952, AC007981, AC004663, AC004812, AP000550, AC008018, AC005412, AC005288, U80459, AC016025, AC016026, AC007546, AC020663, AL049697, AC007066, AC005666, AP000356, AL031662, AC008132, AC008372, AC007845, AL080243, AC007263, AL049776, AC022517, AC004841, AC000134, AC006020, AC005257, AL022326, AF165926, AL132641, AC010849, AL021546, AF207550, AC005899, AC007565, AC005484, AC012627, Z83344, AL035400, AF124523, AP000221, AF111169, Z97184, AC005180, AC000353, AC005914, AC002091, AC004895, AL109963, AL031680, AC012330, AL023879, AL022322, AC005067, AC007051, AC009516, AL109827, AC030302, Z73359, AC004055, AC004771, AI57678, Z82190, AC007052, AC005740, AC007919, AC005488, AC002077, AC001231, AC004263, AJ246003, AF205588, AC005225, U80017, Z83856, AL117337, AC005574, AF196971, AC005520, AL031733, AC006023, AL031281, AL050341, AC004797, Y18000, AL109627, AL133245, AL031432,

HWWEP56	6811	951811	1 - 551	15 - 565	AC006947, AC005277, AP000248, Z99943, AL031005, AC004848, AC006014, AC004929, AC005089, AL109984, Z97056, AC005214, AC008123, AC005887, AC005017, AC005274, AC007993, AL035090, Z97016, AC004695, AC005529, AC004686, AL031295, AP000692, AC023284, AC006449, AC005849, AP196779, AC004106, L47334, AC007216, AL034402, AL135744, AC006274, AC005512, AC004805, Z83987, AC005822, AB004907, AL109758, AC004019, AC006599, AC004134, AC003982, AL121657, AL049569, AL133448, AL050318, AC005200, AC005081, AC004702, AL031311, AL055443, Z81008, Z82244, AC005837, AC005031, AF111166, AC005971, AL022240, U47924, AC007055, AC004922, AC005049, AL121825, AL049872, AF187320, AC003689, AL009183, AL021579, Z82198, AP068862, AC004612, AC007001, AF069291, AF049895, AL022323, AL033442, AC003029, AC005913, AC007114, AC007277, L47234, AC005844, AC005562, AF130343, AC005800, U91323, AL049795, and AF064858.
HWWFA12	6812	968958	1 - 451	15 - 465	AL439704, AL377300, AL910231, AW297398, AA907716, AA287041, AL048499, AI934011, N95189, AW151979, AL037043, AI141406, AI336494, AI683157, AW081689, AI357672, AL045986, AL137476, AL080147, AF061981, AF007142, A21103, AL137478, AL133084, AR053854, AR055519, and AF054988.
HWWFK07	6813	951819	1 - 490	15 - 504	AW392670, AW363220, AW384394, AW372827, Z99396, AL119341, AL119396, AL119497, AL119443, AL119457, AL119324, AL19522, AL134902, AL134528, U46347, AL19483, AL134533, AL134527, AL19399, AL119335, AL119418, AI81671, AR060234, AR066494, and AR060079.
HWWFU42	6814	961739	1 - 325	15 - 339	AC022517. AA936399, AI379676, AL119511, AL119457, AT783569, AI693331, AI800370, AL079794, AA128660, AI241678, AI468959, AI251221, AL043152, AI254715, AI491904, AI571699, AW090131, AI440238, AI868204, AW058233, AW080402, AW409821, AI524654, AI436429, AI582551, AI540676, AI690411, AI472767, AW149219, AI564716, AA427700, AL042382, AI557104, AI758437, AI769102, AA614517, AI690813, AI421662, N95566, AI244105, AI630927, AI814896, AL043168, AL046261, W46513, AW090387, AW081661, AI345688, AA421957, AL119399, AL040169, AI921132, AI564448, AI537274, AI687568, AA243996, AL038445, AL120706, AL118781, AI887775, AW167918, AI288328, AW162194, AW242197, AI636811, AI952433, AW236186, AW083572, AI90341, AA665669, AA743385, R41605, AW074199, AI573026, AI219380, AA464646, AI285514, AI584130, AI81811, AI538850, AI583567, AW079336, AL120736, AW168296, AL045903, AI680498, AI348777, AI354526, AI686749, AW176256, AW083111, AA830609, AI866465, AA831987, AI520897, AL042544, AI345013, AI499573, AI697359, AI273856, AW130129, AI921167, AA743354, AI440263, AW079432, AL043355, AW169213, AI525669, AA473738, AI280655, AW026905, AW410090, AI380723, AL119324, AI635079, AI473208, AI660903, AI925685, AW024185, AL120987, AI280756, AI299677, AI370322, AH40444, AW081383, R36363, AI868180, AI633061,

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AI307736, AI334893, I141759, AI349186, AI810589, AI348969, AI572889, N71180, AI537967,
AI800179, 29428, AW028416, AI698401, AI336495, AA587590, AI336654, AI537643,
AI340664, AI345639, AI691131, AI334930, AI309443, AI345562, AI335235, AI037520,
AI627874, AI534536, AI307454, AI313346, AI349279, AI340664, AI310592, AI307542,
AW146722, AI34581?, AW020710, AI697306, AI469738, AI345739, AI345674, AI700159,
AW089233, AI538885, AI307550, AI312143, AI349637, AI312168, AI344843, AI352326,
AI619723, AA806534, AI334920, AI690389, AI887389, AW071276, AI340726, AI570872,
AI310927, AI285777, AI955441, AI048499, AA012905, N22276, AI307578, AI336488,
AI349955, AI349738, AW089310, AA514684, AW075093, AI312340, AI452857, AI923989,
AW075484, AI309589, AI310930, AI312432, AI758309, AW194014, AI434731, AI312257,
AA641644, AI334446, AI921633, AI536664, N75771, AI312237, AI612885, AI470648, N25033,
AI500588, AI859991, AI349601, AI307549, AW327325, AI349213, AI335125, AI473471,
AI559317, AI678446, N98397, AI049733, AI742728, AW196720, AI925463, AI954504,
AW366372, AI284131, AI924035, AI917252, AW168705, AW080675, AW020693, AI673140,
AI634736, AI631216, AI354415, U90884, X99257, AF118094, AI133557, AI003118, Y11587,
AF113019, AF061573, U77594, AR068751, AI137480, AB031064, AL080163, AL049314,
AI050959, AI137292, AI153340, AI110296, AF158248, AI137521, AF017437, U58996,
X52128, AI137471, AL023637, X60769, U79523, AF100931, U86379, AU050138, U42766,
U49434, AF036941, M85165, AF090943, AL080234, AI137234, X53587, AB007812, E02914,
U92068, AL049464, AF141289, AB025103, X55446, AI006039, Z97214, AR068466, AC006978,
AF077051, M84173, AI137656, AL117455, AL137665, S77771, AI8777, AF111849, AL035067,
AL133112, X95876, AI297, AI137254, X06146, I77092, A70386, AL034374, U75932,
AF067728, AV0844, AF111851, M85164, AF017790, AI137533, AR038969, X59414, AF042090,
AF052326, AL049938, AL110196, AF155119, E01314, X86693, AL096751, AF055917, U49908,
A07588, I33391, U02475, M96857, X96540, AL133113, E12579, E12580, E01963, AF077349,
AR058834, L40363, AF079765, AF094480, AL133606, AB029065, AF047443, AF179633,
AR053103, AI1545, AF141315, AF022813, X87582, A77033, A77035, AR059883, A52563,
E06788, E06790, E06789, L24896, AL110159, AL122110, AR013797, AF175903, AL137478,
E03349, E02349, AL133016, A45787, U68387, I32738, AL035458, Y10655, B02253, AF069506,
X89107, AL111649, I83980, A07647, X99917, AL050143, AL110225, L13297, A21101, X57961,
E1747, AL158834, AL049996, X76228, Y18678, AF132676, AF061836, AI137557, AI110197,
AF201004, AL154987, AL137275, AL110222, AF111845, AC018767, S78453, AL137298,
AL122090, AL114953, AF090900, B08631, AL137558, I16342, AL137544, AL133085,
AL049276, AF02681, AF031903, AF126247, AI137557, AF113699, AL080110, AF026030,
AF192557, U67082, U5017, X67668, AF044221, AL137529, U87620, AL050116, AL050108,
AL137547, AI010277, Y08616, AL049426, X67813, AF150103, AL136619, AL137555,
AF140234, AF201468, A90832, AF035161, I29004, X66417, AL133084, A20553, AL049465,

HYAAB66	6815	463413	1 - 312	15 - 326	AF145233, E05822, AF067943, X80340, AF115392, Z82022, AJ238278, X84990, AL122098, S69510, AL080140, E01614, E13364, X72889, AL117629, L04859, X61970, AL137463, AL080086, AF07844, AB016226, U92992, AF119316, Y11254, AF038847, A83556, AF081366, AL122106, S69385, Y09972, AF199509, AF113676, E04257, and I25048.
HYAAC60	6816	731763	1 - 538	15 - 552	
HYAAD03	6817	923797	1 - 437	15 - 451	
HYAAD67	6818	664597	1 - 431	15 - 445	
HYAAD95	6819	920280	1 - 1417	15 - 1431	AW404921, AI769693, AI949630, AA813912, AI651987, AI762498, AW405307, AA465011, AI652520, AA432286, AW237204, AW341847, AI962755, AA814312, AI440085, AA428631, AW405306, AI866838, AA443988, AA455291, AA984896, AA748641, AI696088, T78905, AW050810, AW406430, AI084063, T8957, T96418, AI005501, AI532635, R11250, R02626, AW408158, R11198, R01685, T96502, AA767241, AA865672, AI383849, and AA299913.
HYAAF33	6820	915050	1 - 439	15 - 453	AA459128, AW245218, ATP92687, N48381, W37954, R75759, and AF121858.
HYAAH26	6821	681251	1 - 438	15 - 452	AA834566.
HYAAH36	6822	947242	1 - 428	15 - 442	AL109847.
HYAAI55	6823	674591	1 - 243	15 - 257	N71364, N71313, and AA370184.
HYAAI67	6824	706512	1 - 252	15 - 266	AC006064.
HYAAJ36	6825	744792	1 - 401	15 - 445	AW303286, AI208356, AW341447, AW269000, AI215965, AI932361, and AI001927.
HYAAJ89	6826	678728	1 - 555	15 - 569	AW183775.
HYAAN31	6827	697590	1 - 547	15 - 561	AC002364.
HYAAO39	6828	599000	1 - 398	15 - 412	
HYAAR17	6829	662426	1 - 472	15 - 486	AC005076.
HYAAR95	6830	862585	1 - 676	15 - 690	AA764893, AI355333, AA826004, AI174651, A.847948, W45298, W45283, AI090334, AA502050, AI446601, AI282832, AA713716, AA847984, AW274101, AW274349, AA789107, AA501784, AA714140, AA112458, AA579736, AA708678, AA570227, F17700, AA074265, AA789115, AW131034, Z93017, AC006312, AI031282, AC005480, AC005932, AL031283, AC005529, Z83840, AC006965, AC005031, AC009516, AL049576, AC007055, AC005237, AC005746, AL031587, AC006285, AP000512, AC002565, AL117330, AC004584, AL133382, AL031848, AL132712, AC005911, AC005971, AF090930, 295114, AP000557, AC005837, AC007308, AC005409, U96629, AC005180, AF134726, AL024507, AL132992, U95742, AL031131, AC004019, AL035417, AC005777, AC006130, AR036572, U91328, AC007666, AC006539, AF111168, AC000052, AF196779, AC004531, U80017, AL096794, AL008582, AL121754, AC007216, AC005231, AP000354, AL049709, AC005225, AL022329, AL135744, AC004805, AC007993, AF001550, AC005043, AC004475, AL035683, AL109963, AC005412, AC004694, AL034420, AC005722, AL121825, AC004876, AI003147, AL049830, AC005291,

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HYAAS08	6831	92617	1 - 299	15 - 313	AC006050, AC007371, AL133371, AB023051, AC005832, AC002312, AC005209, AF129756, AC005387, AC005399, AC002347, AL020997, AC006166, AC002310, AP000038, AC005972, AL049761, AP000553, AC006057, AC005089, AC005527, AP000558, AC005808, AC005212, AC005212, 297054, AF121781, AC004890, AC005004, AC004552, AC005015, AP200465, AP000556, AL022163, AC004858, AD000992, AP000036, AL080243, AC005528, AC007240, AC006238, AL031280, AC003982, AL033458, AC004686, AL033681, AC007151, AL049760, AC005523, L44140, AP000555, AF109907, AC006480, AC004771, AC004854, AF044083, AC005500, AF196969, AC007324, AC007731, AL031680, AC005846, AL031668, AC005264, AL049776, AC003101, AP000088, AL031295, AC005755, AL049779, AC005006, AL133448, AC006254, AC010200, AF037338, AL117258, AC002425, Z86090, AL053036, AL035659, AC007157, AL049696, AC005104, AL031577, AC004099, AC007283, AC007382, Z98752, AC004895, AC004996, AL050312, AL008730, AC005355, AL035415, AC005562, AL133245, AL021578, AL121603, AC006277, AL049759, AC010205, AC005081, AC005578, AC004659, AC006512, AL049766, AP000162, and AL096701.
HYAAT50	6832	724047	1 - 572	15 - 586	A590404, AI984168, AI915081, AW404543, AI242994, AI247480, AI590645, AW275432, AI733523, R72363, AI610243, B39560, AI459661, HB1143, AI358064, AI483753, AI682899, A7324087, AI521042, AI935767, N94111, A-AL050073, AI484892, N26846, AI578067, A-A845690, AI271169, AI048964, AI225141, AI635689, A188801, A199578, AI491130, A216151, AI302917, R61887, A270582, AI122488, AI292275, AI640104, AI569165, AW072963, W44797, AI80756, F00574, AI28053, AI372053, A-A829965, AI507163, AI311796, AI866911, AI040055, AI751498, AI826104, A189995, AI452836, AI302350, N24909, AI039471, AI500563, AI634736, AI493308, AI015948, AI054085, AI910125, AI521525, A-A018207, AW020094, AI031759, AI038106, C19566, AI324108, AI523305, AI742039, AI969095, A-A516242, AW117060, A121174, AW008089, A4021029, A-A452387, A-A569235, AC004044, AC008115, AC008154, AC003109, AC002239, AC005037, AC053318, AC005730, AF111168, AC006597, AC004715, AC004796, AC008154, AC003109, AC005037, AI053318, AC005730, AI110303, AC006593, AI424706, AW073636, AC002204, AC002239, AL023313, AL033432, AI049733, AI070513, AC004707, AF003676, AC006404, AC005349, AC005828, AL004628, AI305057, U07561, AC003013, AL008716, AI031433, AL031662, AP001549, AC004112, AC005015, U05408, AP000402, AL049780, AI022721, AI093307, AC002357, AC005808, AC002059, AL022326, AC004104, AL133448, AC005231, AC005347, AC003010, U91326, AC002544, AC004453, AC006285, AI004907, AC009247, AC035500, AC005954, UC002351, AC004659, AC004673, AP000560, AC002036, AL009194, AC032246, AC008044, U92668, U91324, U80460, AS004125, AI096751, AL031657, AF217403, AC003108, AL035413, Z98743, AL035072, AC016025, AC004533, AC004590, AL031286, AC005410, AL004498, AC007371, AL034451, AF207550, AC006468, AC003695, AL056659, AL035420, AC005914, Z82976, AL023375, AC005325, AL031228, AC005358, AC004685, Z73979, AP001065, AC004491, AC004310, AL008637,

HYAU42	6833	890595	1 - 640	15 - 654	AC007055, AC005652, AL049636, AC002472, AL022323, AC001228, AC004893, 297632, Z98044, AC005841, AC005913, Z83840, AC005911, AC004950, AC003043, AP000557, AC005049, AC002077, AC005066, L40817, AC002546, L78810, L41140, AC004821, Z98941, AC004968, AC004019, AC005377, AC004139, Z95118, AC003007, Z98948, Z82201, AC007911, AC004525, AC004050, AF165926, AL139054, AC007688, Z68886, AC005280, AL031587, AC005874, AF134471, AC006076, AL035455, AC005326, AC007731, Z94721, AP000049, AC005082, AC002390, AC005154, AC004699, AC004099, AP000563, AP053356, AP000141, Z96810, AC007056, AP000311, AC007435, AC007664, AF003529, U96629, AC005328, AC004257, U73591, AP001068, AU011930, Z93930, AF036405, AF036405, AL133163, AL031295, AC006511, AL035422, AL035458, Z98051, AC004876, AF084083, AL049873, AC000090, AC002319, AC004500, AC004548, AL136295, AP000238, AL008725, AP000094, AP000211, AP000133, AC012384, AC006369, AC004223, AL023803, AC005479, AC002091, AC005921, AL049757, U93305, AL035695, AC004009, AP000088, AC007845, AL035086, AC002420, Z98172, AP000353, AL031311, AC006505, AC006251, AC02663, AC004000, AC009509, AC002553, AJ003147, L48038, AF064861, U29895, AC005212, AC005220, AL049559, AC005179, AC004851, AC004650, AP000338, AP000216, AF196972, AC007686, AC005191, AC002054, AC004967, AC006538, AC006111, AC005907, AC004150, AC005796, AC005391, AC004842, AL096791, AL035696, Z84466, AL049830, AC006080, AL121652, AC004686, Z93848, Z97183, AC004913, and AC003665.
HYAU88	6834	786666	1 - 595	15 - 609	AA078383.
HYAX05	6835	934878	1 - 176	15 - 190	AI580869, and AI492476.
HYAX17	6836	662439	1 - 371	15 - 385	W68830, W79652, Z82188, and AF077208.
HYAX65	6837	630213	1 - 220	15 - 234	AA165103, R66289, R65738, AA576361, AA225996, AI825399, AA557529, AA225997, AI934434, AI732388, AB000616, and AB000628.
HYAY36	6838	766694	1 - 675	15 - 689	
HYABB23	6839	675659	1 - 516	15 - 530	
HYABB40	6840	799572	1 - 531	15 - 545	AW080842, AI126237, AI738708, AI288602, AI200312, AA033525, AA070152, AA033526, AW293916, AA748547, AW182578, AA961647, AA808104, AA410505, AA884100, AI615980, T71568, AA580797, AI004853, AA975024, T82022, AI674097, AA988905, AL133609, AL137420, and 294722.
HYABB96	6841	692653	1 - 295	15 - 309	W32758, AW026680, AB014536, and AF077226.
HYABC02	6842	919212	1 - 491	15 - 505	Z97988, AC005823, AC006441, and AI034429.
HYABC58	6843	924677	1 - 453	15 - 467	R27814, AI821365, N31533, and AF068302.
HYABE67	6844	822985	1 - 304	15 - 318	R59561, AA513678, and AC005037.
HYABE85	6845	697593	1 - 672	15 - 686	

HYABG22	6846	811950	1 - 280	15 - 294	AA883214, F11291, AW402414, AA099843, AA215472, AW341298, AI298948, AL043290, and AB014566.
HYABL55	6847	678864	1 - 460	15 - 474	AW451063.
HYABP53	6848	971448	1 - 1437	15 - 1451	AW295244, AI377702, AI347054, AL119324, AL134524, AL119457, AI431323, AL119399, AW392670, AI433666, AL042544, AI433644, AI623302, AI431307, AI431316, AI431238, AI431230, U46347, AW081103, AI432677, AI432653, AI432650, AI432650, AI431153, AI431328, AI431235, AI431312, AI431321, AI431315, AI432655, AI431310, AI431246, AI431231, AI431257, AL119443, AI431347, AL043003, AL119484, AI432657, AI431247, AI431354, AL042729, AL042533, AI431350, AL119439, AI431318, AW384394, AW363220, AL042931, AW372827, AI791349, AW129223, AI432661, AL134153, AL042655, AL042842, AL042508, AL042420, AL042853, AL119319, AL119418, AI431314, AI863305, AL043166, AL042832, AL047611, U46351, AL045327, U46350, AL135012, AL492510, AI492519, AL119391, AI432643, Z99396, AI042802, AI432675, AL042741, AL119497, AW128884, AW128900, AI431337, AL119363, AI042787, AL119355, AI432651, AI432647, U46349, AL042515, AL119522, U46341, AL119444, AI142134, AL119483, AL043295, AW084068, AL134132, AL119396, AI432674, AL134530, AL134519, AL119341, AI431330, AL134531, AL037205, AL119401, AL134527, AL134528, AI431308, AL043147, AI431243, U46346, AL119335, AL119464, AI043091, AI431248, AI432649, AL134533, AI432672, AL040207, AL042542, AL119496, AL042488, AI432665, AL134538, U46344, U46345, AL045328, AL043089, AI431241, AI284508, AL046356, AL043321, AI561182, AI042614, AI091249, AR066494, AB026436, Y17793, AR060234, AL133074, AL133053, AL113049, AL133076, AR054110, A81671, AL130068, AL122101, and AR069079.
HYABV14	6849	956236	1 - 574	15 - 588	AA282390, AA278249, AA488762, AA489734, AA488174, AW134842, AI762326, AA807226, AW082334, AA278706, AA724066, AA521424, AA999178, AA831579, AI131560, AA872215, AA993920, AI243205, AI524170, AA972085, and AI017999.
HYACG89	6850	724923	1 - 505	15 - 519	Z33538.
HYACI15	6851	674268	1 - 292	15 - 306	N91098.
HYACI18	6852	665720	1 - 568	15 - 582	AI248214.
HYACI64	6853	929756	1 - 511	15 - 525	AI660312.
HYACI95	6854	746317	1 - 519	15 - 533	R00426, H69800, H69804, H69043, H61839, Z98884, and AL109628.
HYACI53	6855	727948	1 - 702	15 - 716	H06009, and R20240.
HYACF71	6856	760102	1 - 551	15 - 565	AA226164.
HYACE11	6857	966482	1 - 478	15 - 492	N27362, N23649, AA601503, AA425283, AL048969, AI355572, AA52460.4, AA595661, AI114869, AI310670, AA640305, AL037067, C15966, AI521525, AT23720, N66677, AW270287, AI272246, AW272815, AI086603, AI224583, C06151, AA535558, R22196, AI754064, AA559219.
HYACD06	6858	974495	1 - 370	15 - 384	

AA324108, AA489390, AW419201, AI926102, AA679794, AA669225, AI613459, AA730872,
AA493464, AI702049, AA369494, AI349130, AA525423, AW021105, AL134338, AA514937,
T49381, AI791457, AI732501, AA831714, AA526415, AA862035, AA491827, AW276968,
AI547110, AI061313, AA526542, AA664963, AA382435, N95424, AI275989, AI254267,
AA568303, AW410844, AI523205, AA601376, R43468, R23873, AA904275, AA582080,
AI076729, AA610381, N27737, H37968, AL121039, AI986101, AW085751, AA199578,
AI114494, AA847504, AW103990, AW275788, AU065031, AA708751, AW419209, AW302705,
AA761606, AI75134I, AC004134, AA704099, AF207550, Z97056, U91326, AC004686,
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Z83840, Z86061, AC005755, AC006965, AC005839, AC004929, AC005914, AC006001,
AC005280, AL008582, AL096791, AL034555, AC005500, AC003006, AC005546, Z83844,
AC004583, AC004755, AL049766, AC006536, AL035089, Z98051, AC006942, AC007731,
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AC005800, Z97183, Z95113, AC000094, AL035422, AC010077, AP000557, D88268, AL080243,
AC005225, AC002470, AC005277, AL023575, AC007226, AC004542, AC005913, AC006121,
AB023048, AL022316, Z98304, AC007686, AC005696, AC004893, AL031433, AC002375,
AL133353, AL021578, AC007666, Z93930, AC004531, AC005067, AC003982, D87675,
AL031005, AL109758, AC000003, AL031670, AL050308, AP000031, AC005566, AC005726,
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AC006160, AL031659, AC007546, Z93241, AC007406, AC004139, AL049777, AC002395, AC005921,
AC005372, AC004865, AB001523, AL022302, AC004762, AC004150, AC009516, Z93244,
AL049569, AL021391, AC005081, AL022476, AC009946, AP000505, AC007021, AC005086,
Z15025, AL133448, AL022726, AC005944, AC004764, AC004150, AC009516, Z93244,
AC005829, AC007030, AC005207, AC005288, AL021707, AF129756, AL022332, AC005257,
AC010170, AL031255, AC006515, AC007371, AF134726, AC006241, AL121595, AL035460,
AC005841, AC006162, AC004821, AC005972, AC006111, U72788, AL049539, AP000703,
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AJ011930, AC008273, AF047825, AC006064, AP000556, AC005015, AL139054, AC006480,
AL031845, AI003147, AC004685, AL096774, AC005932, AP000502, AL135744, AC006468,
L78810, Y12855, AC007227, AC007151, AP000692, AL033527, AC004598, AL022723,
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AC004263, AL023694, AC007676, AL034429, AC002045, D87008, AC003969, AP000226,
AC000120, AC005940, AL021453, AL035086, U78027, Z73420, AC002425, AC004019, Z95115,

HYACC03	6859	923525	1-709	15-723	AF196969, AI109798, M89651, AL031589, and AC004477.
HYABB43	6860	800006	1-449	15-463	AA179370, and AA464124
HYAAY57	6861	734463	1-430	15-444	AA131782, AI279457, AI459300, AI887969, and AC010175. T66305, AA886512, F09927, AA749328, AA815166, AI475828, AA648819, AA651977,
HYAAV45	6862	717479	1-530	15-544	AA955511, and AA741442. W88974, and AC004582.
HYAAU65	6863	909956	1-581	15-595	T81523, T98761, AL080117, AB023176, and U14103.
HYAAT55	6864	731420	1-398	15-412	T98379.
HYAAT39	6865	929758	1-447	15-461	R62243, AI298594, H00843, AA400786, AW453087, W69160, AA485564, W57903, AI810717, AI860626, R69650, and R69664.
HYAAN84	6866	782838	1-802	15-816	AA464831, AA180467, AA505048, AA449184, and AC012083.
HYAAL49	6867	973089	1-479	15-493	AW392670, U46347, AB026436, AR066409, AR060234, AI81671, AR054110, and AR069079.
HYAAL41	6868	887395	1-622	15-636	AA082707, AA081874, AI201257, AA489677, H22947, AI269725, N63194, H11596, F04937, R39853, N63182, R05455, and AC005070.
HYAAL19	6869	668338	1-922	15-936	R84433, H83979, and AA017024.
HYAAK77	6870	887044	1-765	15-779	R93968, W93000, and AL109613.
HYAAK74	6871	765252	1-510	15-524	AI092745.
HYAAJ03	6872	923526	1-434	15-448	H01888, R93377, AL110203, Z83843, and AC004386.
HYAAF78	6873	773433	1-467	15-481	H63893.
HYAAD24	6874	677019	1-550	15-564	AA075368, AA075369, AA559324, AA804735, AI336026, AI114694, AI732327, AC007406, 269364, D87009, AC004815, AL031257, AC007263, and 283844.
HYAAC24	6875	677010	1-675	15-689	AA497098, and AC006023.
HYAAB40	6876	841969	1-631	15-645	
HWWEW1	6877	965434	1-648	15-662	W38418, W38417, AW362370, AI368729, AI523296, AA548224, AA868898, AI653483, W73847, AA558195, AA700476, AI828445, AW305153, AA548241, AA707354, W69719, W73703, AA164647, AI539088, Z19840, AI752812, AI752779, AW262145, W73359, AI399680, AA164646, R71097, A073454, AI871525, F09131, AI686475, A917430, AA372471, AI811402, R71445, AA418958, AI695645, AI242956, AA385654, AI304631, AI597928, AW362391, and A75407.
HWWELI11	6878	965426	1-423	15-437	AA553392, AA526829, AI023375, AC008372, AC005839, AF111168, AC005288, AC007371, AC004520, AC000353, AL031733, AL022163, AL022320, AC005756, AC004983, AC004707, AL121652, AC002300, AL109984, AC006581, AC009966, AI003147, AC005510, and AL031276.
HWWEC06	6879	933690	1-415	15-429	AW452648, AI249134, A831307, AA504653, AW182255, AI468242, AW444889, H14382, T33198, AA731107, F37077, R99416, W46344, W05246, AI632386, AI521519, AW150858, and AF151907.
HWBGG82	6880	779081	1-665	15-679	N23897, and H84937.

HWBGF04	6881	927284	1-477	15-491	AI338804, and AL120936.
HWBFY46	6882	880638	1-1783	15-1797	AI791349, Y17793, and AF064854.
HWBEG18	6883	909798	1-940	15-954	AA906863, AW408789, AW452373, AA352977, AA732249, AI269653, AI492098, and AB020653.
HWBEH69	6884	754328	1-506	15-520	T85049.
HWBEE25	6885	677660	1-520	15-534	H46563.
HWBEA06	6886	934820	1-361	15-375	AA641774.
HWBDU71	6887	835888	1-521	15-535	AA502126, AC004859, AC008078, AC005951, and AF002223.
HWBDU58	6888	735774	1-930	15-944	H20642, AW294637, R60622, R25933, and Z74739.
HWBDS59	6889	743462	1-768	15-782	W94699, W88759, W88744, W88864, AI081615, AI903841, AA176310, H81217, AW090258, N73198, N58667, N48499, AA359586, W25203, R81022, AA345015, AI940407, AA113397, AA215919, AI807163, R95799, H37844, R87151, AA630583, T71499, N77311, W88840, H66405, AA309734, AA026675, AA385486, R87079, AA315010, W37275, R01782, Z71183, AL050254, A85213, and AF129537.
HWBDS12	6890	971872	1-430	15-444	AI189929, AI300829, AI829939, AW452299, AI188478, AA651825, N42191, W37646, AI002523, AI672667, AI344390, AA948467, W37382, AA831436, R11180, AW191839, AA287646, AA84191, AA835036, AW196619, R95793, AA502473, AA480612, AA704742, R11179, and AF201951.
HWBDR82	6891	779002	1-469	15-483	AA905379, T91925, and AC000386.
HWBDQ58	6892	735769	1-731	15-745	T81870, and N52370.
HWBDL82	6893	728805	1-647	15-661	AW247455, H10647, T80026, AA322636, AA663768, H39049, R15783, AA203493, W78783, AF070594, AF033827, and AF022729.
HWBDK08	6894	958956	1-370	15-384	AI917114, AI873737, AA664124, AL039309, AW161459, AW161879, AI191343, AI003797, AA936548, H24953, AA715508, AA504951, AA524846, AW243945, AA728861, AA664248, AW275432, AA525041, AA715351, AL043745, AI805261, AI246061, AW069227, AI246192, AI880889, AI865980, AL134216, AI634187, AI457313, AL138299, R95030, AL031281, AC00295, AC007656, AC005519, AF139813, U85195, AC005274, AL031767, Z97054, AE000658, AC004228, AC007564, AL121603, AP000692, AC003041, AP000500, AP000503, AL031311, AL031680, AC005562, AF111168, AL079342, AC007938, AF111169, AC005529, AC000449, AL078615, AL049699, AC006115, AC007684, AL035460, AC005291, AL132712, AC005037, AC002312, AC004859, AC006254, AC007216, AC005722, AL110865, AC006121, AF111167, AC005969, U91318, AC006317, AL031282, AF134726, AC006480, AC004526, AC007376, U91327, AI031848, AI011930, AC005520, AL109799, Z84469, AC004392, AF060568, AL122020, AP000193, AL109827, AC005899, Y10196, AL035427, AP000117, 295152, AP00502, AC002120, AC004884, AL031667, AL049843, AC005730, AL021397, AL022238, AL132777, AL049830, AC005632, AC005180, AC002978, AC005839, AC007384,

HWBCV48	6895	721010	1-404	15-418	AP000462, AC007066, AC009247, AF107258, Z86061, Z95114, Z85987, AC005067, AC007666, AC005527, AC001011, AC000082, AC006441, AC009464, AL031594, AL049697, AC004491, AL080243, AB017654, AL022316, AL031670, AC004968, AC005031, L78810, AC002314, AL049759, Z93016, AL121877, AC005598, AL096701, AL034548, AL049872, AC005280, AC002073, AC005666, AC004668, U80017, U82328, AC004583, AC010205, AD000092, AP000553, Z98946, Z85986, AC005531, Z84480, Z98884, AC005972, AC004895, AC006285, AL109627, U02051, AC003982, AC005036, AC005011, AL117694, AC006162, AL035686, U63834, AC006071, AC006241, AC005288, U95737, AL034417, Z98051, AC006080, AC002477, AP000311, AC005924, AC005099, AC002470, AL009181, AF047825, AF048727, AL049829, AC004936, AL049569, AC006344, AC007199, AC002299, AP000696, AC004755, AC005089, AL035422, AC005755, AC002456, AC004605, AC004129, AC004134, AC005399, AF053356, AL049576, AC005154, Z86090, AC006538, AL096791, AC004000, AL021155, AL022323, AL109628, AC004963, AC004659, AF129756, AC005488, AC005551, Z98200, AC005247, AC005736, AL022326, AC006360, AC004967, AL031589, AC005094, AC005412, AP000096, AL009031, AC006211, AP001052, AC006117, AL022313, AC005324, AC007386, AC002326, AC002365, AC006160, AC006322, AC005225, AC006026, AC006455, AC007546, AC004598, AL031295, AP000504, AC006388, AC009330, AC005484, and AC005914. AL231930.
HWBCV06	6896	935028	1-505	15-519	AT738409, AI359532, D78801, A595178, AA587092, AW155877, and AC000120.
HWBCS08	6897	909031	1-548	15-562	AA717734, AL119641, AI132948, AB029036, AF119043, and AL035410.
HWBCH41	6898	868342	1-356	15-370	AA279024, R10600, and AC006323.
HWBCD20	6899	669472	1-624	15-638	T78846, and AF007131.
HWBCA08	6900	958957	1-550	15-564	T12632.
HWBBY86	6901	637734	1-491	15-505	AL096791.
HWBBV52	6902	726509	1-450	15-464	N32962, T87837, and AL021938.
HWBBU10	6903	964237	1-387	15-401	L25504, AI370343, L25228, AP000339, and AP000217.
HWBBT71	6904	760176	1-398	15-412	N44984.
HWBBR45	6905	887686	1-384	15-398	AA501578, AA927092, T94866, AA098829, R88888, AA199616, T65291, AI282336, H93144, AA632548, AA199631, AA780797, H86264, T90248, AA610420, AA772570, AA558060, AA840962, AA279427, R38154, AA161083, AA513293, AW074398, AA862173, H69580, AI053434, AI053816, AI054246, AA680211, AI824562, AA620425, N25296, AI963095, AA483034, AA834755, AA563818, AA908349, AI286264, AA613851, AA654771, H86301, R97634, AA847984, AA310879, AA732481, AI053429, AA583955, AA877817, H50727, AA747480, AA491284, AA574110, AA543725, H69640, AI312149, H85616, AW274349, T92445, AA521399, AA703707, AA649484, AI167673, AA632868, AA714595, AA649542, AW303196, AA603156, AW301350, AA554319, AA401657, AA775940, AA654627, AA661948, AA310868, AI561335, T71030, AL079843, AA837058, AA503258, H81733, AA810370, H09313, H86860,

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| HWBBQ22 | 6906 | 861613 | 1 - 700 | 15 - 714 | AA825357, AA325699, AI357551, AI284640, F36273, R67504, AA100372, AA678436, AI471481, R97934, AA156538, AW301818, AH469172, AA709005, AW276435, AA284179, H71827, AA169697, N77729, AA434388, AI498537, AI051526, AI336326, AI304370, AA831599, AA747276, T55213, AA806608, AA346514, AI336362, AW478127, AA721682, F17518, AA916371, AA190613, AA74510, AB830390, R04987, AW407578, AA229630, F30933, AW276760, R29129, AA312380, AI278997, AA831138, AA22991, AA176114, AI041733, AI110770, Z30931, AA031280, AI020996, ACO13248, Z97650, U02048, Z85987, ACO05839, ACO06050, ACO03965, I15549, ACO05488, ACO04234, ACO04382, U14689, D14813, ACO05245, ACO04238, AF002991, ACO05193, AI051056, ACO06013, ACO04770, AF108083, ACO06965, ACO05486, ACO08934, ACO06014, ACO05008, ACO00025, ACO05527, AP000553, ACO09516, ACO05529, M87918, ACO05694, ACO04217, ACO00951, ACO00387, ACO04041, AU035072, ACO07688, AL121756, ACO07043, AI049570, ACO02543, ACO05137, ACO07458, M88282, ACO2122, ACO05031, AP000517, Z85999, AI121655, Z95329, ACO05193, AI246003, AL035407, AL034371, AL034348, ACO04167, ACO04999, U30017, Z93400, AU022160, AP005547, AL031664, AB023054, ACO0773, ACO06548, ACO04990, AF129077, U189335, U89336, AB020869, AL031281, ACO04584, AU035420, AL096763, AU031447, Z74739, Z33846, ACO0300, ACO04879, Z84572, AU035410, AU024505, AP000949, AF165147, AU049873, ACO06015, AL117344, ACO07676, AU010722, ACO09721, AU002480, ACO07304, ACO06112, ACO04192, ACO06006, ACO05693, Z97352, AU109754, AL132987, Z98258, ACO04496, AL121925, ACO10382, AU023284, AL115744, ACO05069, X78081, ACO04204, ACO00080, ACO04238, ACO05092, AL031675, ACO07421, AP005002, Z82201, AL048062, ACO06026, AF134726, ACO07878, ACO06611, AL031123, ACO04646, ACO04044, Z80901, AL140000, ACO0034, AL031662, ACO05166, ACO00153, AL034451, ACO04130, AU021392, ACO07064, ACO00131, AL096829, ACO04687, ACO02489, ACO07091, X79699, Z83819, AU034420, AU022807, ACO09263, AL117355, AU078621, ACO21092, ACO05787, AU078598, AF126483, ACO05246, ACO02072, AL009181, AU025684, AP000567, ACO00891, ACO02470, ACO04652, AF195658, AF137396, U51281, ACO05709, Z99046, ACO05281, Z82364, ZB1450, Z821364, ACO04652, X60653, AF129756, ACO05668, AU001530, ACO06354, AU033216, ACO04016, ACO05281, Z82364, ZB1450, ACO04039, Z68326, ACO03050, ACO05523, ACO05537, D86696, ACO04186, ACO04416, ACO7017, ACO04030, Z68326, ACO03050, ACO05523, ACO05537, D86696, ACO04186, AU215, X66401, AF017732, AL031732, AF137396, AU035709, Z99046, ACO05281, ACO05530, ACO5550, AP001051, ACO05923, AL080272, ACO07038, AL031906, AU031286, ACO02301, ACO05102, AU078476, and ACO12380, ACO06596, ACO06146, AL031286, ACO02301, ACO05102, AU078476, and ACO12380, AC253664, AA593934, ACO23713, AA551870, AI040612, W32234, AU20856, AU032821, AI99482, AA572000, AI810979, AI78998, AU79497, AI309256, AI883030, AW008397, AI81662, AW054852, AW007352, AI141017, B71578, AI693593, AA642043, AI597973, H01948, A51383, AA837774, AA025347, N48184, AA29644, AA44813, AI660034, H89912, AA318740, R34586, AW293053, H11523, AI245242, and AF041429. |

HWBBN86	6907	785313	1-535	15-549	R97917, R97918, H57950, and AC003999.
HWBBM02	6908	919423	1-508	15-522	AA587133.
HWBBL57	6909	868349	1-416	15-430	AA559030, R16068, and T72674.
HWBBL03	6910	923691	1-455	15-469	AA565820, and AA420538.
HWBBF60	6911	740125	1-351	15-365	R38327, and AI470403.
HWBBE52	6912	868358	1-449	15-463	AW183158, AI743674, AW170591, AI244986, AI336219, AI285158, AW135808, AA612970, N52534, T72657, AA932859, AA861691, AI868903, AW024446, AI760918, and AI783670.
HWBBD23	6913	675360	1-497	15-511	W56858, AB023145, and AB028449.
HWBAX57	6914	771958	1-526	15-540	H00548, and Z69648.
HWBAT83	6915	780976	1-412	15-426	M78523, H84125, AA013441, AA017681, H86611, AA651763, and AA873021.
HWBAS96	6916	796126	1-491	15-505	R06345.
HWBAR29	6917	690422	1-621	15-635	N36225.
HWBAQ71	6918	944080	1-458	15-472	AA078851, and AW237409.
HWBAQ02	6919	919351	1-519	15-533	AI221469, and AA883558.
HWBAO50	6920	724135	1-390	15-404	AA215799, AA523695, AI306717, R99076, AI915081, H29914, AA48492, AL045476, AI709174, AA582746, AI370170, AW272640, AW392414, AI130709, AI536858, AI537995, AA573000, AI131261, AA315361, AA458573, AI814682, AI291439, AW079737, AA984920, H80935, N69548, AA469441, AW265115, R87135, AI471455, AW190277, AW148775, AL046193, AL044340, AI687343, AA297776, AW302670, AW419389, AW089016, AW084173, AA078137, AI417586, R94436, AA298771, AH76049, AA657910, AW089016, AW084173, AL037927, AA662989, AA405798, T40629, AA568314, AI576454, AA515723, AA654482, AA837771, AL031428, AC006312, AP000501, AC006480, AC007225, 293241, Z98946, AF064859, 295115, AC005049, AF109907, AC005058, AC002477, AC004820, AF196969, AL121757, AC006101, AC004963, AL035422, AC005006, AL049712, AD000092, AL121603, AC004941, L78833, AC005924, AP001050, AL035086, AC007040, AC004025, AC004231, AP000312, AC005274, AL031668, AC000075, AC000491, AC004796, AL049835, AF006487, AF027974, AC004967, AC007878, AL031664, AL035071, AC002369, AC005823, AC005736, AP000356, AL049759, AC004656, AC004878, AP000503, AF165926, AC002544, AC006947, Z85987, AC004663, AC005696, AL139054, AL021394, AC005237, AF134726, AL109854, AL022322, AC005190, AL034423, AC003101, AC004526, AF129756, AL109984, AP000193, AP000045, AC005722, AC007559, AC005088, AC007546, AC004815, AP000117, AC004079, AC002312, AC005666, AC000059, AP000299, Z98272, AC005202, AP001052, AL08730, AF027390, AL049692, AC006057, AC005231, AC004217, AP001053, AC005081, AC005231, AC005899, AC005231, AF038458, AC002126, AL034351, AC004351, AC006270, L48038, AC005189, AC003004, AL023575.

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HWBAO38	6921	709490	1-486	15-500	AC005664, AC004686, AC005902, AC005071, AL121655, AB009589, AP000152, AC071182, AC004876, X64467, AC002418, AC003110, AC004099, AC004084, AC006547, Z83843, AC005355, AL022313, AP001054, AC003009, AC005229, AC006266, Z83820, AC004386, AC007030, AC002059, AC002045, 297056, AC004423, AC012230, Z82203, AC004841, AC005529, AC007240, AC002316, AC007934, AP000348, AC004253, AC006120, AL117344, AC005180, AC002395, AC004890, Z82176, AL050321, AL109952, AC005255, 297053, U78027, AL049839, AP000213, AP000151, AC000026, AC006597, AC006126, AC006077, AP000328, AC007363, AC007325, AP000123, AP000170, AP000055, AP000135, AC006064, AC007981, AC005316, AL132766, AF015720, AC005488, AC004583, AP000556, AC004752, AF205588, AC005828, AL031120, AC002563, AP000349, AC002400, AC003043, AP000031, AF053356, AC005372, AC004991, AL109798, AF001548, AL049610, AC009399, AL023882, 293020, AC005031, AC007510, Z82208, AC005192, AP000352, AC005728, AC002352, AC007444, AC007041, AL109981, AJ229041, AC003029, AC007766, AL022326, AC007707, AC004020, AC004706, Z82976, AC007199, AL022722, AC007993, AC005746, AC005317, and AL031680.
HWBAK65	6922	747731	1-503	15-517	H59128, and H47298. AI59877, H09144, R44298, R51016, R50773, AI074576, AA035771, AI943373, T52471, H10009, R31770, A397967, F04627, AL047188, AL042009, AL039390, AL046681, AL046137, AU049726, AA598862, AI249936, AI672187, AL042551, AI446483, AL045503, AW337394, and AC007688.
HWBAJ13	6923	975117	1-792	15-1806	AI43351, AL119324, AI432644, AI623302, AI431354, AI431323, AI431353, AI431347, AI432653, AI431230, AI431328, AI432654, AI432655, AI431310, AI431312, AI492519, AW081103, AI432677, AI431337, AW128900, AI432661, AI432674, AI432675, AI432672, AL119319, AI432651, AI432647, AI431254, AI431241, AI431330, AI431243, AI431357, AI119457, AI432650, AI431248, AI431255, AI431345, AI432649, AI432665, AI431307, AI431346, AI431316, AI432662, AI432676, AI432673, AI432658, AI431340, AT791349, AW128846, AW392670, AI042544, AI431238, AL119399, AW378277, AI431308, AL119443, AI432657, AL119341, AW128897, 299396, AI431247, AI431751, AL119355, AI432643, AL119363, AL119444, AI492510, U46349, AI037205, AW384394, AW363220, AI432645, AI431231, AL119497, AI431257, U46351, AI119484, AL119391, U46350, U46347, U46341, AL119483, AW128884, AI431350, AI492520, AI142131, AI431318, AL134920, AL042433, AL119439, AI431315, AI492509, AI134902, AL119401, AI143536, AL119464, AI134525, AI431246, U46345, AL119418, AL119496, AI134538, AI042614, AW129223, AI042450, AI043019, AI042542, AI042965, AI042975, AI043029, AI042551, AI042729, AI043003, AL119304, Y17793, AR06649A, AB026436, AF019249, AF064854, AR060234, AR054110, A81671, and AR069079.
HWBAH72	6924	766073	1-457	15-471	R53373, and R19776.

HWBAH16	6925	661664	1 - 591	15 - 605	N76551, AI051605, and AW450879.
HWBAF43	6926	715111	1 - 587	15 - 601	H69407.
HWBAF09	6927	625401	1 - 265	15 - 279	AA255938.
HWBAC02	6928	919559	1 - 438	15 - 452	AI129592, AW377636, and AW390415.
HWAGV04	6929	926759	1 - 482	15 - 496	AA169855, and AC004069.
HWAQQ02	6930	953013	1 - 675	15 - 689	AI829939, AA651825, W37382, AI188478, AI672667, AI344390, AA845191, AA835036, AA831436, AA948467, AA704742, AI002523, AW191839, AA287646, T62849, R95793, T90287, AW191840, R11180, AI189929, AA988042, AA99818, R94937, AI530829, AW196619, AA886287, AA938191, W37646, AW089814, N42191, R95749, N74604, AW452299, AA502473, AA980612, R11179, AA703157, AW344175, and AF201951.
HWAGQ42	6931	958373	1 - 561	15 - 575	AI738975, AL035481, AA232116, AI337371, AW138609, AI654432, H24091, and AC007250.
HWAFQ10	6932	961339	1 - 1031	15 - 1045	AA417827, and AA256655.
HWAFM60	6933	868436	1 - 608	15 - 622	AI258987, AL020997, and AC007193.
HWAFG12	6934	909605	1 - 403	15 - 417	AI831120, and AW152248.
HWAFB87	6935	949950	1 - 437	15 - 451	
HWAFD56	6936	868452	1 - 407	15 - 421	AA460146, and AI962568.
HWAFD10	6937	963323	1 - 402	15 - 416	AI453777.
HWAFA47	6938	948858	1 - 346	15 - 360	AC002310, AC002119, AC005839, AL049569, AL035683, AL031594, and AC007382.
HWAFA05	6939	930990	1 - 786	15 - 800	AI091703, AI650617, AI051377, AW26031, AA284515, AA287237, AI797889, AI434567, AA57442, AI060045, AI091867, AA251505, AI141021, and AI536674.
HWAEZ81	6940	868460	1 - 505	15 - 519	AI368732, AI244157, AA269766, T57767, AA757426, AI814820, AI624528, AA64126, AI241705, AA130820, AA104983, D87675, AP000501, ALU22320, AC005839, 299716, Z81364, AF196969, AC005924, AL031291, U47924, AC005527, AL034549, AL023553, AF196779, AC005088, AC005779, AL050318, AC002310, AF031076, 297054, AC005004, AF111168, AC004477, U95740, AC004796, AL033527, AC000353, AC005921, AC005529, AC002115, AC010168, AF003626, U63721, AC009247, AL035086, AC006512, AP000557, U80017, AC005015, AC007308, AC005519, AP000692, AF031078, AC005295, AC007263, AC005358, U62292, AC002470, AF030876, AC004686, AC005940, AC005702, AC004883, AC007055, AL096791, AL135744, L78833, AP000088, AC005280, AC002425, AC002300, AL121658, 295114, ALO22326, AC005017, AC05632, AFI09907, AL034420, AC002316, AC004859, AL050332, AC004655, AC005412, AC005874, AFI34471, AC007227, AL031662, AP000555, AL109952, AC004024, AL034429, AL031255, AP000330, AC016830, AC005740, AC005231, AL031295, AC004841, AL080243, Z86090, AC005520, AC006480, AL049869, AC005971, AC005102, AC004441, AL035659, AC005666, AC004895, AC012384, AC004659, AC002504, AB023050, AC004765, AC002350, 294802, AF001548, AP000067, AC005387, AC005911, AL035420, AC008044, AL049569,

HWAEZ19	6941	874351	1 - 505	15 - 519	AC005484, AL079342, AC005089, AC007225, AC004000, AC004922, AC001228, Z95115, AC004084, AF207550, AC002404, AF196972, AL021578, AC004491, AL049757, AC006468, AL022721, AL035400, AL031680, AL031311, AC005763, U95742, AL049759, AL020993, AC004650, AC005829, Z94056, AC004983, U91321, AC006115, AP00115, AC005049, AP030453, AP000355, AC009509, AC006211, AC011311, AC007688, Z98044, AC004890, AL022323, AC003962, AC004967, Z84469, AL109798, AC007666, AP000135, AC005071, and AL022238.
HWAEU35	6942	887166	1 - 460	15 - 474	AA693960, AA773315, AA701937, AI640497, and AA679299.
HWAER10	6943	838763	1 - 402	15 - 416	AA747537.
HWAEP25	6944	951965	1 - 876	15 - 890	AA258884, AI133088, and AA134634.
HWAEK27	6945	868494	1 - 566	15 - 580	AA663139.
HWAEG71	6946	931547	1 - 560	15 - 574	N43812, N28593, N42447, N25847, N42638, AA164284, and M94043.
HWAEC08	6947	958115	1 - 703	15 - 717	AI640322, H11674, AA481880, AI687453, T08591, AW408528, and AB018339.
HWADQ35	6948	868526	1 - 850	15 - 864	AW242308, AI718675, AA446440, AA639514, AA429990, D20149, AA446133, AW269686, AA446252, AA490572, and AI914301.
HWADO27	6949	682458	1 - 549	15 - 563	T83909, and R66586.
HWADN42	6950	713272	1 - 379	15 - 393	AI984550, and N79076.
HWADM84	6951	782685	1 - 730	15 - 744	H05351, AA826458, and AI137351.
HWADI46	6952	891149	1 - 252	15 - 266	R88163.
HWADE25	6953	677594	1 - 413	15 - 427	T70432, T83092, and W28247.
HWADD18	6954	665173	1 - 446	15 - 460	AL039706, AI744599, H19229, AI220556, AI954761, AI052561, AI992311, AL039705, R027726, Z40315, AI872336, W44986, AI521131, AW248932, AI032378, AI978572, AI950218, AI203399, AA858242, AI203400, and AR022159.
HWACC56	6955	733002	1 - 312	15 - 326	AA056722.
HWACY70	6956	756888	1 - 540	15 - 554	AA127538, AA007643, AI702678, AA263149, AA285232, AI904448, and AW390105.
HWACS69	6957	774914	1 - 601	15 - 615	AA130132, AA826414, AW262702, AW069242, AA165524, AI922531, W81127, AI095845, AI424003, AI299901, AI557105, AI872483, AA088173, AA130651, AI216212, AA776540, AI383347, D20019, AI051093, AA405559, AA258314, H607707, AI160098, T65372, AI246309, H17966, AI572143, AI130119, H22958, Z39390, AW269492, F09402, R40022, F04748, F03710, AI619876, N90250, F02805, W94821, N66673, AA088630, AI419665, W31598, AI217531, R20768, R50838, AI378963, and AI890899.
HWACQ54	6958	729166	1 - 195	15 - 209	AA054175, AA018743, and AA015643.
HWACI56	6959	733013	1 - 406	15 - 420	T81159.
HWACI46	6960	718711	1 - 526	15 - 540	T53843, and N77512.
HWACH03	6961	923374	1 - 415	15 - 429	AI051545, and T95620.

HWACD30	6962	691565	15 - 397	AI143085, W63738, and W61076.
HWABY68	6963	927387	15 - 430	AA242852, AI129391, AA743400, AI934605, AA252186, AA331278, AA705950, AA418351, AA834128, AA530987, AA252187, AW249796, AI377360, AI684366, R54388, H07875, AI289290, and AC000942.
HWABV67	6964	751409	1 - 504	N57896, and AC005232.
HWABV34	6965	868535	1 - 394	AI190781, AC005920, AC004531, AC006141, AI021391, AC004883, and 293930.
HWABP20	6966	669486	1 - 370	T87470, and T85392.
HWABP19	6967	951277	1 - 447	AA535015, AA361063, AA361359, and AR035946.
HWABP02	6968	919442	1 - 448	AA766487, AA504639, and H83494.
HWABI13	6969	656767	1 - 678	AA258954, AA258920, AI251082, AA715090, AI674840, AI470431, AI223604, AW360896, AW021735, H12071, H84675, AI54271, AI75164, AI431434, AA283005, AI470437, AW104793, AA077786, AI309375, AA581903, AA420998, AA572874, AA421078, AW275425, F12561, AA468022, AI274252, AA770584, AL042853, AI889566, AA877932, H09744, AI298061, AI281909, AW008450, R61498, AA876445, AW169038, AA665021, AA579367, AI557041, AA001904, AI017251, AA169129, AA476397, AA431949, AI766906, AI886432, AW021583, AA191659, AA630451, AI048534, AA553624, AA918958, AW192065, AI382289, AC006441, M74492, AC007993, AF053645, AC004884, AI034375, AC005562, AP000349, AC002430, AC004477, AI049759, AC000039, AC005778, AF031078, AC007384, AC005015, AC006023, AC004890, AF030876, AL121653, AI121658, AL031311, AC005034, 298044, AC001349, 298744, AC005952, AC005678, AC005102, AC002996, AP000320, AC004881, AC009516, AC007263, AP000556, AC005800, AL034551, AC005993, AF050154, AF106656, AC007676, AF037338, AP000351, AI049776, AC006511, AC005912, AL117338, AP000555, AC004778, AC006101, AC002558, 283841, AC005701, AC005933, AL022165, AL132774, AL080243, AC004815, AL035659, AC006953, AP000557, AL117258, AC004227, AC007565, AC004475, AC012083, AL096701, AC004662, 297054, AC004167, AP000135, AC002404, AC018633, AL021155, AP000031, AC004656, AC006241, AC005829, AC004061, Y07848, AC005786, AL109627, AL031846, AL022323, AL133297, AL133245, AC006548, D88268, U91322, AP000553, AC004851, AI229042, AC004582, AC003999, AC004596, AC003036, AF196779, AC006487, U73636, AL035423, U52112, AB014077, AL031428, AP000694, AC005759, L42088, AL049757, AC004099, AL031281, AF064863, AC004841, AP000697, AC001226, AL035458, 295125, AL035684, AC005412, AI031984, AC005568, 295152, AC004209, AC000379, AC008134, AC006581, L78833, AI031984, AC004647, AC006039, and AC004134.
HWABH68	6970	929275	1 - 200	AA708891, T84753, AA862842, AA906049, H62449, AA192606, AI697110, AI476751, H62426, AI270685, AA588738, AA770029, AI803894, AA548631, AI859177, AI696295, AI559322, AA622890, C57563, AI830046, AW014772, AI678463, T98662, AW243066, AA677245, AA369307, AI282884, AA614646, C75627, AI698074, AW303681, AI310008, AA508708, and

HWABGI1	6971	949088	1-710	15-724	A66648. AW028517, AI492449, AA172063, N71710, AA312583, AI243139, AA259158, H08035, and AA214724.
HWABD52	6972	726510	1-398	15-412	AA195245, AA416793, AA444146, AA195430, AL04I0098, and AA443964.
HWAAY79	6973	791452	1-462	15-476	N64316, R63682, and AA418089.
HWAAY51	6974	973237	1-350	15-364	
HWAAX48	6975	721442	1-519	15-533	H08515, AW451243, AI342965, AI916317, and AW173677.
HWAAW65	6976	779578	1-858	15-872	AA938191, AW089814, R96588, AW191840, AA988042, AA886287, AW196619, AA835036, R94937, AA999818, AA704742, AA831436, AA845191, AA287646, AA651825, AII84478, AW191839, W37382, AI344390, R11180, AA948467, AI672667, R95793, T90287, AI829939, AI002523, T62849, and AF201951.
HWAAQ76	6977	887772	1-987	15-1001	AA993487, AA969929, AA993756, AW023082, AW059828, AW161156, AI345335, AA715307, AI269862, AI364788, AI627988, AL036673, AL079963, AA225339, AI345005, AI698401, AI366900, AI860003, AI872423, AW268302, AW274192, AW072719, AW087445, AI783504, AI620284, AW162194, AL045500, AI866770, AI886753, AI824576, AI334893, AI306613, AI874166, AI670009, AA809974, AI890507, AI542245, AW071417, AI889189, AI890907, AI538850, AI623941, AW117882, AI624543, AW198075, AI345463, AI539153, AW302992, AI923989, AI433976, AI863382, AI917963, AI859991, AI434741, AL047675, AI349957, AI433157, AI554821, AI274507, AW151136, AI310575, AW130930, AI539771, AI371228, AI537677, AI340533, AI494201, AW160905, AW172723, AI500659, AI343091, AI815232, AI251221, AI801325, AL121270, AI500523, AL037454, AL042440, AI582932, AI866573, AI500706, AI445237, AI491776, AW151138, AL047422, AI521560, AI500662, AI926878, AI637748, AI520809, AI284509, AI284131, AW301513, AI889168, AI064830, AI866573, AL037649, AI633493, AI434256, AI866469, AL110402, AI805769, AI888661, AI284513, AI888118, AW083778, AL119863, AI250369, AI436429, AI889147, AW238688, AI440252, AI624154, AI699865, AI610557, AI686906, AA433037, AI828583, AA761557, AI783997, AI887499, AI923509, AL039086, AI863321, AW022699, AI340603, AI619502, AI677796, AI632408, AI886181, AI802542, AI352497, AW080700, AW168373, AW198144, AI620089, AA449768, AI288305, AI886123, AW118518, AI352336, AI348854, AI499285, AI570807, AW168485, AI933589, AW026882, AI635067, AL042628, AI923370, AW149925, AI537261, Z99428, AW163834, AI251485, AI445992, AI445990, AL119791, AI345745, AT020073, AI690748, AI340511, AI866465, AW191003, AI334445, AL040243, N33175, AI349645, AL036980, AI500061, AL039276, AW051088, AI349598, AI620075, R32821, AA641818, AI440263, AI633125, AL043981, AW269097, AW161579, AL038445, AW082113, AI698391, AW170635, AI917252, AI915291, AW151282, AI390628, AW083804, AI571867, AW302973, AW268060, AI473536, AI500588, AL045163, AI610667, AI345347, AL04274S, AI445864, AI468872, AI973152, AI540754, AI866786, AI886192, AL036631, W74529, AI923046.

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HWAAM30	6978	691878	1-465	15-479
HWAAL70	6979	757035	1-698	15-712
HWAAH1	6980	712141	1-370	15-384

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H1WAAF60	6981	751037	1 - 561	15 - 575	
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Clone	SEQ ID (NA)	SEQ ID (AA)	NA coords	AA coords	Accession Numbers
HWVAAE31	6982	841973	1 - 352	15 - 366	AA36178I, F11675, H59468, AI272641, T33802, AA214361, T33028, Z42265, AA373300, AA057488, F08332, R10053, H10316, H42704, AA036699, T34350, T77681, Z44723, AA344199, R14076, AA219347, R23396, AA085301, R84654, AA360595, AA332390, AI822054, T33282, AW403127, AA085688, AA035320, W05396, R14611, W27932, T52025, Z43664, F06709, T36023, AA354455, AI822107, E08543, AI243664, AA077036, AI243665, E08542, AI243665, and AI117463.
HWVAAB06	6983	935131	1 - 465	15 - 479	AA251131, and AA775171.
HUUDR34	6984	944903	1 - 646	15 - 660	H54060, and AI239325.
HUUCS12	6985	969325	1 - 675	15 - 689	N62033, N28254, H55465, Z83844, and X87671.
HUUCI02	6986	940813	1 - 776	15 - 790	T99881, T81169, and T99780.

AI033712, AI954084, AW167226, AI983520, AL041005, AI984573, AI432645, AA131336, AI564483, AA191629, AI907763, AW370258, AI679914, AA313042, AI679407, AI174699, AI890600, AW379481, AI623994, AI924918, W81030, AI683963, AA406281, AI056626, AA524116, AI807732, AA992422, AA308853, AI610539, AA653510, AI804538, AA653438, AI986456, AI500648, AW189915, AA708759, AI679802, AA176706, H81609, AA740782, R72705, AI122930, AA555116, AW173659, AA432282, AW363351, AW10516, AA176724, F37314, AA682225, AI208567, AA826560, AA308851, AA134257, AA770415, AI249986, AA346286, AI923040, AA428627, AW407257, R49324, AI022174, AA226672, AA386226, AA954017, AW316887, AA548185, AA430516, AA173054, AI378920, AA467744, C14715, AA324842, W46618, AW291665, H22297, AI952445, AA308852, Z38953, F27547, AI624769, AI687671, AI254198, H92971, T30886, AI984007, H58044, AA102260, H19121, AA174099, T64974, AI190377, U55980, AA313043, AA652594, T33556, AA588454, AA079766, T30885, AI289751, AA079662, AW386889, AA609230, N67209, AW130206, W81067, AA444161, AA053081, AI690803, AI080131, AA573007, F10793, T32048, AW275180, D54061, AI473281, AA026011, H60333, T39333, AA745903, T19224, AI908040, AW294394, AW367021, M78639, AI355669, AW298166, AW361250, R84893, AI908037, AA459844, H40828, D54504, AI908021, AI908008, AI699848, H81610, H66200, AA403067, T25950, T81632, T19550, R98063, D54002, AI925734, AI906757, R93365, AI250621, Z30252, AI909826, AI909824, AW369644, T04849, H22261, AW376366, R32768, AI908081, AA429079, AW403033, AA160093, R90873, AA326736, AL044126J, D58524, AW389303, AL043881, AL046604, C04059, AA531508, AA128960, AL046006, T19252, AI907876, AW392242, AL042624, AI042035, AA047308, AL045474, AL041886, H01570, AI363803, R78804, AL041872, T31059, H19603, AA228109, H24164, H12675, C15998, AI940088, AW381410, H44250, N48104, AA393629, AW367781, R28128, R23869, TS8288, R72979, AA984062, AW374404, AW374385, AA242748, N44862, R88953, AI557267, H90121, AA323985, T64231, R90783, AA319598, H02821, AA410901, AL042059, C15711, R73195, R76234, AA829391, R98306, AW389265, AA305347, AW376369, AA295312, AI907282, AA309588, AA333617, W27031, H02380, AA320201, AI909838, AI909848,

HUJDJ03	6987	922441	15 - 672	1 - 658	AI909882, AI909866, AI909833, AF132984, AC002039, AC002045, AF001549, AC007216, U95742, D86974, AC002544, U91326, AF072097, and AB032254. AA569288, and AA569185.
HUJDE05	6988	967231	15 - 569	1 - 555	AA393987, AW249982, AI877213, AI440471, AA668868, AI423208, AA922498, N49855, AA744680, AA232187, AA741266, AA830850, AA522735, AA023220, AA551426, AA130096, AI273697, AI470085, AI199436, AA889460, AI144114, AA806441, AI215922, AI028484, AI281030, AI735186, AI224934, AA809356, AI261472, AA809458, AA588859, AI524208, AA398075, F26431, AA826865, AI721076, H69575, H95065, AA988255, AI984011, AA368844, AI378424, AA036240, AI186572, AI963211, AA809442, W52780, AA744793, AA827659, H41598, AI493433, AI266572, N36218, AA13095, H62017, AA303699, AA261941, AA835915, F28374, AA602990, F26160, AI371682, AA872643, H62016, H84745, AA877236, N54430, AA574343, W52484, AA513394, AA559062, AI202007, N80053, AA010201, AA235462, AA292526, AI222768, AW246245, AI133447, H84833, H69596, and AB005815.
HUJCN12	6989	969331	15 - 559	1 - 545	C18813.
HUJBQ04	6990	926196	15 - 332	1 - 318	AW392670, AI119355, AI042984, U46349, AI119341, AI119319, AL119457, AL119324, AW372827, AI119483, AI119443, Z99396, AW384394, U46351, AW363220, AI119497, AL119484, AI119363, AL119391, U46350, U46347, U46341, AI119444, AI134536, AL037205, AI134538, AI042433, AI119439, AI119522, AI119396, U46346, AI119335, AI134902, AI119401, AI142131, AL043019, AL134527, U46345, AL134920, AL119418, AL119399, AI119496, AI134525, AL043033, AL042614, AL043029, AL043011, AL042544, AL042450, AI119464, AL042542, AL042965, AL04295, AL042551, AL042003, AL034429, AB026436, AR060234, AR054110, AR066404, A81671, and AR069079. Z66011, Z66010, Z55354, and Z55353.
HUJBP01	6991	914512	15 - 473	1 - 459	
HTYSK94	6992	501001	15 - 463	1 - 449	
HTYSK65	6993	500999	15 - 352	1 - 338	
HTYSK23	6994	575458	15 - 352	1 - 338	AI866971, AA420546, AA644090, AW304580, AW304581, T67040, AA584527, T63954, AI270177, AA487226, H86725, AW022934, AI192440, AI669421, AA847499, AI124798, AA225890, AA836552, AI008718, AC005932, AI022336, AF207550, AL033587, L78833, AC004883, AC002565, AC005512, AC002115, AC005102, AC005829, AL021391, AP000103, Z93930, AC004491, AC004821, AC007055, AL035462, AC005519, AC006137, U95742, AC004817, U91326, AC006509, AC004659, AL049776, AL008734, AP000088, AL035423, AC007216, AC005914, AC002544, AL031983, Z84469, AC004859, AC003041, AC002126, AP000032, AC006552, AC000025, AL031602, AF134726, AC005527, AL109839, AC000731, AC008101, AC005500, AL035684, AL133448, AC004895, AL049872, AC004426, AL031295, Z98884, AC005071, AC006262, AP000045, AC005844, AF053356, AC004531, AL080317, AC002073, Z94056, AL049869, AC007387, AC005484, AL035420, AC003101, AC007011, AL135744, U91318, AL049766, AC007298, AC004815, AC016027, AC004967, AP000501,

HTYND11	965061	15 - 368	AL031427, AC016830, AL023807, AC006285, AC007565, AP000431, AC005049, AC005015, AL109984, AC002350, AL049631, AC005529, AL031281, AC005391, AC006195, AL034420, U96629, AC009946, Z95331, AC004686, AC004985, AC004585, AC004247, AL031283, AP000359, AC002041, AC006449, AC004760, AP001552, AP000689, AC007376, AC005324, AL049795, AF111167, AC005971, AC004237, Z95115, AC005637, AC005722, AC005920, AP000503, AP001064, AC005004, AC004522, AC005784, AC003982, AC005535, AL035400, AL031311, AC007227, AC004687, AL049757, AC004750, AC005332, AL117352, Z84487, AC005088, AL035659, AC007773, AC004650, AC004622, AC002347, U91323, AL022163, AC005081, AC008033, AR004690, AC005231, AL031662, AC005622, AC008012, Z99716, AC004217, AL133312, AC004241, AL008719, AC005666, AC003962, Z93016, AL023584, AL049779, AC008115, AC006965, AL078638, AC005701, AC005726, AF001550, AP030453, AP000252, AL109865, AP000300, Z98941, U91321, AC005089, AC006966, Z85987, AC010205, AF001549, AC004000, AC005011, AC004382, AC007686, U62293, AC004983, AL031984, AC003684, U52112, AL049843, AC005409, AL121658, AF165926, AC003662, L78810, AC005899, AC002663, AC005736, U89337, AC004520, Z97056, AC002432, AL035079, AC005620, Z85986, AL121578, AL020993, Z83840, and AL035527.
HTYNC04	926906	1 - 379	AW090081, AA724726, and C01435.
HTYAA83	537277	15 - 425	AA303105, AA584859, AA989182, AI811345, AA826320, AI523074, AI709307, AA634252, AA828053, AC006211, AF196969, AC004491, AC005037, AL109627, AC012384, AC002350, AL049776, AL031432, AL034420, AC004966, AC002558, AL121603, AC005899, AC005412, AP000692, AC005914, AI003147, AC005512, AC005274, AL035455, Z98051, AC009516, AC005632, AC004477, AC004851, AC002404, AC003684, AC007055, AI251973, AC007308, Z86090, AL022316, AI024507, AF001548, AL121655, AL049694, AL121825, AF053356, AC006538, AC009247, Z93023, Z93017, AC006312, AC005484, AC005932, AC004074, AC016830, AC007842, AC002302, AC004983, AF001549, AL139054, AL022476, AC005562, AC003010, AC007371, AB001523, AL035527, L47234, U62317, Z84487, AL022322, AL133448, AC004895, AC005102, AL049779, AC004033, AL031311, AP000553, AL031311, AC006111, AL035659, and AC003042.
HTXSV06	933377	1 - 523	AA570407, and U91323.
HTXSH08	957886	15 - 894	AA411663, AI051223, AI051723, AA411664, AL043343, AL084824, AA704698, T99707, T99099,

HTXSC11	7000	965536	1-403	15-417	and AA091981.
HTXSA04	7001	926338	1-458	15-472	AA635858, AH420572, and AC000353.
HTXJS08	7002	957919	1-504	15-518	AA683094, and AC002399.
HTXRA02	7003	918089	1-552	15-366	T97020, AI923659, AW089216, and H46012.
HTXQS11	7004	965084	1-617	15-631	AI923351, AI168608, and AW081230.
HTXQO07	7005	952064	1-342	15-356	AI038370, and AI954900.
HTXQM71	7006	869147	1-660	15-674	AA731476.
HTXQM07	7007	952067	1-431	15-445	AI695376.
HTXPX72	7008	916162	1-965	15-979	AA255181, AI761000, AI128484, AI276232, AA251078, R11531, AA721210, R10456, AI364695, AW166309, and AA832036.
HTXPV03	7009	922905	1-652	15-666	AA001407, and AL022312.
HTXQR95	7010	869249	1-578	15-592	T81624.
HTXOO15	7011	869261	1-435	15-449	AA772570, and AA229433.
HTXOO12	7012	872368	1-383	15-397	AI439548, AI824398, AI524088, AA809903, AA418732, AA625848, AA491295, AI399785, AI879121, AA738446, AA776396, AA463264, Z39342, AW246459, H19238, AA872635, AA418786, AA995381, AA463616, AI613441, AI192269, AA417678, U87803, and AF140507.
HTXOK51	7013	869265	1-513	15-527	AA164895, AI216978, AA470578, AA470574, AI51261, AB023165, AL023876, AC004859, AC006111, AC007684, AC002546, AL080317, AL121756, AL031775, AC004913, Z82178, AC007308, AC002470, AC000097, AC006547, and AC000075.
HTXNJ60	7014	869299	1-722	15-736	AA255981, and AC005229.
HTXNG04	7015	926992	1-886	15-900	AA700155, AI241528, R92115, AI051224, AI243652, AI248349, H80550, H80606, AL045388, AI680997, AI560952, W78724, and AL031708.
HTXNF11	7016	869300	1-592	15-606	H90484.
HTXNA19	7017	953848	1-884	15-898	AA872066, AI700737, H13313, T51880, AI458617, and R41292.
HTXMZ01	7018	915250	1-304	15-318	AA078115.
HTXMU37	7019	948611	1-702	15-716	H74136, H54178, H54603, AA526630, AW197983, AI986083, F25083, AA548968, AA492584, AA706631, AA192278, AA056619, AA487726, R32162, AA457685, AA613609, AA640797, AA481760, AA113327, AA282951, AI370337, T27234, F36360, AA467961, R31574, AA583381, AA191139, F27108, AA302943, AA082567, AW245331, AI300597, AL048296, AA113757, AI653465, AW409990, AA565957, AA854403, T74600, AI073724, AI417496, AI73874, AA936734, AA233462, AA936783, AA641336, AA838660, AD83329, AA182577, AI862213, AA111897, AI280500, R59728, AA653228, AA614864, AI421783, AW301712, AA101265, AI755227, AI860414, W31892, AW246579, AA074086, AA158023, AI865375, R61358, AI568260, AI798292, AI419390, AA550837, AI609107, AI859368, A373304, AI431442, AA745841, AI475297, AA419230, AW083918, AI830186, AW246558, AA164946, AI185856,

HTXMR30	7020	869312	1 - 663	15 - 677	AI559275, AI826401, AI703335, AA617792, AI708175, AW438757, N95424, AW410561, AW007196, AI911641, AI433570, AA083258, AI859952, AW156942, AW440318, AI088921, AA805126, AI687410, AW024584, AI928786, AI963768, AA216659, T92957, AI573780, AI954648, F04839, AA776900, AA470586, AA598839, AA455298, AA476918, AA298758, AW113420, AA228473, AA657752, AA947371, N69226, AW188427, AI861961, AI611533, AI612070, AP000115, AC006023, AI132641, AF015720, AC005829, AC004526, AI229041, AC004890, AC005777, AI031733, U95742, AC007216, AC005338, AI031657, AC007690, AC004186, AC004738, AC004987, AC005102, AC012039, AC000357, AI030995, AR020863, AI031005, AC007021, AC005183, AI024498, U34833, AI021155, AP000131, AP000209, AP069291, AP000501, D16641, AC006101, AI031846, AP00248, U07000, AL035460, AL117339, AL008718, AI049697, AC004895, AC004966, AC007057, AC002559, AC003084, AC004598, AC003098, AC002310, AC005911, AC006130, Z84467, AF196969, AC006972, AC005495, AC007201, AI049632, AI135744, AC005015, AC005071, Z84469, AC006608, X73637, AL049843, Z69917, AC005952, AL080312, AC005161, AC004070, AC006409, AC004834, AI131757, AP000459, AF001550, AC005821, AC005723, Z81364, AF207550, AC005954, AC003104, AC003247, AC002300, AC000025, AF001549, AF126403, AC005527, AL139054, AC003101, AC004589, Z83851, AC002477, AC004079, AL033517, AC002551, Z11900, AB023059, AC006047, and AC005218.
HTXMJ82	7021	841875	1 - 709	15 - 723	AI138731, and AI149649.
HTXMCT2	7022	875290	1 - 430	15 - 444	AW245527, AA45288, AA13489, R02507, AA160583, W20079, W15650, R88492, AA191171, AA305146, AA312380, AA353989, AA356238, Z45454, R10259, T55506, R88474, AA313467, AW401924, AA065025, AA133146, AA321117, T39247, AA321753, AA352107, AA359404, AA115720, AA356108, AA329808, T97388, AI652793, AA341639, R21692, T81231, AA425167, R84510, AI189655, R47188, AA628011, AF100761, AL050361, AC006049, AP000517, and AB023049.
HTXLS08	7023	958357	1 - 1138	15 - 1152	H72109, and AC004686.
HTXLN70	7024	756630	1 - 649	15 - 663	A084218, AI797791, AI439030, AI479025, AI436557, AI027473, AI440506, AI873534, AI243660, AA744809, AI218347, AA766305, AA938672, AA765757, AI475702, AA279325, AA806852, AA805991, AI669506, AA772543, AI364913, AA281541, AA768800, AI701372, AI382260, AA765148, AA627572, AI243662, and AA016005.
HTXLI10	7025	963602	1 - 629	15 - 643	R04410.
HTXKP90	7026	487401	1 - 486	15 - 500	AI638848.
HTXKN65	7027	869345	1 - 390	15 - 404	AA613878.
HTXKM37	7028	869347	1 - 479	15 - 493	AA903764, AI859744, AA578066, AI800343, AA486680, AL044339, AW265279, AA630845, F31066, F37059, AI679759, AA338238, AW242031, AA573000, AA568204, AA570740, AA483606, AI613389, AI302350, N66927, AI88440A, AA804694, AW022796, AA338237,

HTXKM24	7029	677101	1 - 271	15 - 285	AA340226, AI537800, AI271762, AW275432, I62550, AA487209, AI042735, AA486580, AA480486, AC000079, AC004622, AF111167, 297054, AL117258, AL135783, AL035555, AC007546, AC007151, AC005224, X87344, AC007684, AC007637, AC005392, AL035555, AC005005, AP000555, AL121694, AL031577, AL121757, AC007057, AL049872, AC004558, AC005360, AL031118, AC009946, AL049745, AL096701, AC005031, AC006241, AC002432, AC004106, U80017, AC005229, AC009225, 299716, AL031281, AC00491, AL109759, AC007899, AC002470, AP015416, AC007687, AL022578, AL049833, AL008712, AC005520, AC005291, AL049713, AL022336, AL031311, AC008008, AL049829, AC007052, AC004893, AL023575, AL031733, AC007308, AC004785, AC005071, AC009542, AL035088, AC009330, AC007011, 293096, AC004417, AF053356, 293930, AC005399, AC004583, AC004967, AC005881, 297055, AL023580, AC005887, U47924, AC006121, AL117329, AC003037, AF031076, AL109628, AC002554, AC004874, AP000688, AC006251, AC004916, AC008124, AC007488, AL080243, AC006205, AC006581, AL133500, AC004985, AF109907, AC004002, AF031078, AC005746, AC005280, AC007240, AC012627, AL049835, AF030876, AC004458, AL031673, AC006512, AC004662, AL079295, AC006530, AC004673, AC006271, AP000030, AL136504, AC007750, AL022315, AC009501, AB023049, AC005237, AC006946, 296074, AC003029, AC002040, AC004933, 293020, AC000003, AC002553, AB026898, AP000359, AC002302, AC010072, AC002381, AC004470, 284487, AL031848, AL050333, AC003950, AL049634, AC006392, AL133555, AC000353, AC020663, AC005158, AC011311, 298884, 284467, AL049856, AC007130, AP000212, AP00D134, L77570, AC005386, AL034402, AL031287, AC005484, AL03420, U91318, AC004409, AP000432, AL049646, AL009179, AC008044, AP000350, AC005209, AL121658, AC004234, AC005969, AC007999, AE000659, AC003957, AL020997, AC002310, AL020995, AC007676, AC005066, AL033527, AC008014, AP000558, AL034412, AC007388, AC005317, AC004752, AC002300, AC002312, AC005703, AC007021, AP000251, AJ006345, AC008072, AC006130, AL050348, and AL022323.
HTXKK96	7030	796330	1 - 501	15 - 515	R85618, AW451329, AI342905, AL042764, TI2565, and AC006241. AA152462, and AA152463.
HTXKK31	7031	697838	1 - 561	15 - 575	AL043095, AA227966, AA227802, N79681, AI688963, AI798234, AA308708, AA643902, W89152, AA767864, AI111171, AA309764, N55560, AI914747, AL049466, AC005822, AC005988, AL035416, AC004943, AP000555, Z77249, AJ011930, AL031584, AL132777, AC004616, AC004079, AL022498, AL049843, AC006478, AI006995, AC005386, AC002524, AL049911, Z84487, AL049709, AC005011, AL031985, AC004408, and AL049874.
HTXKF02	7032	919683	1 - 643	15 - 657	R2784, H45937, AI682220, U51280, and AC001228.
HTXKC64	7033	746471	1 - 605	15 - 619	H73594, R94521, H54422, H65481, AA677973, AI032897, AI005280, AA005196, AA453866, N77694, and AC003973.
HTXKX77	7034	870446	1 - 592	15 - 606	AA149774.
HTXIR61	7035	741746	1 - 928	15 - 942	AI912179, AA706272, AI627711, AI753424, AW236776, R61531, AI537736, R48982, R18061,

HTXJP17	7036	663123	1-455	15-469	AA024568, AA449473, and D80433.
HTXJO80	7037	871594	1-440	15-454	AA026098, AA025198, AA025117, AA789331, AI025891, and AW036422.
HTXJO78	7038	773508	1-269	15-283	H71834, W90335, AI660357, AW204190, AA490598, AI983576, T83715, R00174, and T77359.
HTXJN39	7039	566290	1-321	15-335	N56725.
HTXJK20	7040	423763	1-490	15-504	AA775097.
HTXJC08	7041	957757	1-725	15-739	AA191116, and AC004584.
					AI039924, AI045794, AL036630, AL04364, AW013814, AL044412, T02921, AW450335, T24119, AL039459, T24112, AL036650, AL039476, D51250, AL042334, AL039521, AL040992, AL039109, AL038531, AL037726, D80043, AL039629, AL039625, AL039648, AL038837, AL039074, AL039678, AL039108, AL039538, AL039564, AL039156, AL039659, AL039566, AL039509, H00069, D80253, AL039128, AL044407, AL036973, AL045337, AL037051, AL045353, AL039386, AL039423, D59787, AL045341, AL042909, AL039410, AL039150, AL044530, AL038821, AL038025, D80219, D59275, AL036725, AI535983, D80227, AL043422, AL043445, AL043423, AL043586, D80240, AL044413, AL043441, D80210, D51423, T23947, D80134, AL036196, D59619, D80391, D80193, AL037639, AW451070, AL037615, D80196, AL036767, D80949, C14227, AI535783, AL039085, AL036117, AL043613, D59927, AL043585, AL037526, D80366, D80168, T23658, AW452756, R47228, AL036238, AL036679, T11051, AL044178, AL037601, D81026, D50995, AL039504, C14014, D80045, AL039842, C75259, AW297822, AL036064, AL036733, AL036158, AL037027, AL039550, AL036924, AL037054, AL036765, D59889, AL043840, C15076, AL038851, AL037177, AL037047, D80022, AL036998, D80038, AL036418, AL036227, AL039472, AL037643, T23659, AL036133, AL037082, D80195, D59467, AL036163, T11417, AW293068, AL036207, AI557751, D58283, AL037124, D81030, AL037021, AL040947, D80188, AL039576, AL036191, AL036167, AL036132, AL037679, AL037049, AL036190, D51799, AL037600, D80378, F13647, AL036139, T03269, D80522, T23656, AL036152, D50979, T48598, C14298, D80212, AL036900, 221582, AA514190, AL037178, AA285331, D59502, AL048425, C14429, D80164, D59695, AL039555, D59859, AW451416, AL037085, D80166, D80269, D52291, D80268, 225782, D80024, D58253, AL037569, 299396, AL036174, AL036808, AL036953, D59627, D57483, D81111, D59610, AL044354, D80241, AL036150, AI910186, C14339, C14331, H00072, AL036268, D51022, D51060, AW178893, AA305409, AL038043, AW450376, D80014, AW17440, D51022, AW179328, AA305578, AW178775, AL044447, AW378532, AL037077, AW17671, AW322158, AW369651, D51213, AA514188, AI905856, D80251, D51097, AI557774, D80248, D80064, AW178762, AW17501, AW17511, AL037002, T02974, AW360834, AA514186, D80133, AL039417, AW360811, 225783, C14407, AW352117, C05695, AW176467, AW378540, AW375405, A25909, A36792, A44171, AR062871, A84772, A84776, A84775, A84774, AR037157, AR017907, AR062872, AR062873, AR067731, AR067732, A58522, A91750, A20702, A43189, A43188, A20700, AR036905, A85396, A95396, A95052, A95051, A98767, AL031361, A38214,

		Accessions			
HTXJA76	7042	A95117, A93963, A93964, I56772, I95540, AR018924, AR031374, A18051, A63067, AR043602, A51047, A63064, AR043603, AR018923, A49700, A8774, AR043601, A63072, A23334, A75888, A8775, I70384, A18050, AR068507, AR068506, A6011, A23633, AR015960, 103343, AR007512, A23998, AR000007, AR015961, A53521, A85477, 163120, 160241, 160242, AR020969, AR054109, E12615, AR022240, A11878, AR035193, A25193, A45523, E14304, A24783, A24782, A58523, A27396, AR027100, I28266, I06859, A9045, E16673, A82653, I26927, A58525, I49890, X68127, I44516, A55826, A91753, AR031375, A244003, A13038, A29289, AR025207, I18371, AR029417, AR038669, AR023668, AR028667, AR028670, AR067733, AR029418, AR067734, AR017908, A68112, A68104, I62368, AR031488, I13521, A98467, I52048, I44531, A84746, AFI56296, I15353, A17115, A18079, AR028672, AR038066, I50882, E06034, I66495, I66494, I13349, I66498, I66497, I66496, I66486, I66487, A07699, E08322, I74623, A71440, A71435, A60109, A70040, AR028564, A98420, A98421, A98432, A98436, A98417, A98427, I01968, A83642, A13388, E00974, A02228, E00954, E00952, E00951, E00955, I00949, A49989, I43960, AR021440, E03165, E02221, E13364, A10350, E02679, E02104, E02098, A92666, E02001, E01718, E02003, E02102, E03550, A28163, E02100, E01997, A58998, E02291, E02293, E01999, E02396, E02337, E01563, E02431, E01693, E01696, A92668, AR005163, AR005154, AR005157, AR005160, I09250, AR005153, A92667, E01024, AR050583, AR050584, E02430, E01148, E12527, E01503, AR005165, E12523, E02432, A49701, A62009, E01216, I77211, A93896, X68127, I44516, I31847, I31848, AR046673, AR006076, A95106, A95105, A80476, A01965, E01324, I10638, I06710, AR051539, A49428, I63561, I63563, E16036, AR053274, A80475, A49404, A94054, I65560, A20358, A20357, and I84555.	767696	1-428	15-442
HTXJA32	7043	AA89147.	699152	1-548	15-562
HTXFGH41	7044	T63847, and T63647.	712566	1-241	15-255
HTXFGE85	7045	W86936, and AC004499.	783418	1-448	15-462
HTXFR89	7046	R73235, H26695, AI820688, R48685, H29757, R83605, H27918, and AB020630.	790276	1-399	15-413
HTXFN90	7047	W25596, AI815642, AA417302, AA100476, N27984, AA314322, AA045597, AA661773, AA649285, AA306867, D82429, AA310276, R89903, AA130829, R83064, AA298770, H81350, AW350032, AA297191, W22908, AW406948, AA344066, AA100050, N51146, AA370966, AA382073, W38448, T85780, AW377665, AA314159, AL122042, and AC007842.	537392	1-361	15-375
HTXFN73	7048	AI46475, AA808264, AI681962, AA654013, AA766987, T54146, AA669743, AL020997, AI021937, AL139054, AL031388, AL050306, AC006315, AL022163, AC004531, M85145, AL034395, and AL031276.	824543	1-289	15-303
HTXFN63	7049		745316	1-295	15-309
HTXFN53	7050		537391	1-425	15-439

HTXFN23	7051	537393	1-193	15-207	AA649055, AA676720, and Z68284.
HTXFH43	7052	537397	1-337	15-351	AW236547, W70044, W70260, and AC008545.
HTXFH20	7053	537398	1-204	15-218	
HTXFG29	7054	689833	1-261	15-275	
HTXFF96	7055	796309	1-623	15-637	
HTXFF93	7056	934438	1-553	15-567	T81719.
HTXEY18	7057	869406	1-403	15-417	R10220, AW167240, AW043624, AA290774, AI741670, and AC002519.
HTXEX83	7058	780277	1-340	15-354	N67634, AW135346, AI634553, AI830652, AW190088, AI638854, AI139133, AL040317,
HTXEE90	7059	789161	1-441	15-455	N35344, AI215747, AI807577, AI758230, AA580929, AA808566, AA218821, and AL022393.
HTXEC96	7060	796561	1-316	15-330	R11584.
HTXEA45	7061	723401	1-492	15-506	AA055878, and AI733756.
HTXDZ56	7062	733641	1-411	15-425	H54720, and H68884.
HTXDW32	7063	699559	1-1083	15-1097	AA203535, N69313, AW104800, AI345794, AI345704, AA465689, AC004554, AC002470, AC004499, AC005037, AC003666, AC005527, AL034451, AC005529, AC006536, AC004782, AC002288, AC005694, AC005921, U91323, AC005899, AC006479, Z81369, AL136295, Z98051, AL035423, AL079295, AC002365, AC004983, and AP000036.
HTXDJ77	7064	772473	1-285	15-299	W07454, AI934203, AB000878, AP000506, AB000882, AC004184, AC004170, AB023058, AP000521, AL022723, AF055066, AC006048, AP000509, and D84394.
HTXDD24	7065	888612	1-416	15-430	AA463609, AI167145, AW149126, AW301636, AI918887, AW004869, AA701246, AI659509,
HTXCW50	7066	724650	1-713	15-727	AA465256, AI918865, and AI202534.
HTXCS84	7067	783262	1-69	15-83	
HTXBT88	7068	529663	1-366	15-380-	AI497655, AI128840, R60767, AI345232, AW072868, AI933264, AW295282, AI673318, N40760,
HTXAW03	7069	921906	1-551	15-565	AI340591, AI583811, AW268087, AW086332, AI284621, AW269077, AW301308, AI792895, AI312160, AI311031, and AW268945.
HTXAK96	7070	796612	1-554	15-568	R96938, and AB020866.
HTXAJ34	7071	707050	1-393	15-407	R23649.
HTWLf77	7072	839177	1-533	15-547	
HTWLF58	7073	869478	1-540	15-554	AA917800, AA284120, AI354369, AA551548, AA805901, AI459866, AI439676, AI889579, AA504892, AL033527, AA226260, AA629939, AA485553, AA900211, AW189853, AI201668, AI018726, AI133083, AI734172, AI732786, AI731971, AI732671, I130568, AI366555, H86579, H30595, AA434078, AA077247, AA018923, AA012829, AI654658, AA678616, AA831801, AW089016, AI036549, AA832016, AA302966, AA666272, T05617, AA483173, AW317023, AI358871, AA515745, AI911659, AI283938, AA077619, AI354677, AA036655, AI613419,

AW105346, AA449293, AW008184, AA075807, AA564753, R83585, AI246061, AA831997, AI300818, AI310992, AI583259, AI156634, AI054090, AL037006, W27084, AW078821, 298473, AW2384, AI347665, AA644223, AI249853, AA581498, AI341543, AA473736, AA254770, AA774119, AI251944, AI251034, AI251203, AI251284, AW440568, AW019964, AA653057, AI678932, AI255052, AI267356, AW081610, AL039930, AW162303, N67313, M78021, AW162047, AA339592, AA381194, AI254508, AA501617, AI889995, AI251696, AW161786, AL041375, AI139968, AA827383, N72203, AA126814, AA508418, AI860553, AI871691, AI830490, AA340003, AW341882, AI816130, AA741301, AI521679, AW128881, AI590404, AW238495, AI191456, N23490, AW439663, T79993, AW263847, AA579399, AW160527, AA189062, AW162138, AW156682, AI274692, AI815940, AA482323, AW084840, AW408767, AA744449, AA744465, AA745470, AA019043, T1021B, AI679759, AI973173, AA493852, AI114645, T34066, AI251241, AA362052, F18533, AW262466, W04322, AI653475, AI929298, AI929825, AI003172, AL042753, AI561043, T60940, N57057, R02063, T40308, AW157180, AA020882, T07285, W60516, AA832124, AA192293, AT744937, AW082076, AA662614, H64905, AA828911, AI017733, AA339432, AW316599, AI11494, H41462, N88923, AA736713, AA780648, T94714, R81455, AA360609, AA757646, AA460880, AW028834, AW074398, AA743834, AA161719, AT761566, AA373861, AA988600, T48770, AA508070, AI445373, AA810317, AA424249, AI925812, H59797, AI355559, AA429942, AI751049, AI891075, AI364760, H64884, AW079737, AP000221, AL049780, AC007055, AC004671, AC004817, AI020997, AC008941, AC005332, AC006088, AC005841, AC005832, AP048729, AP000084, 294802, AP000292, AF039905, AP000111, AP000043, AL035252, AC004409, AC002407, 283820, AC007421, Z84467, Z83826, AP001049, AP000694, AC002544, AC007934, AC007240, AC004821, AF003529, AP000355, AC007066, AL009179, AL049743, AC007934, AC007240, AC006511, Z73358, AC005004, AC004216, AL022320, Z69653, AC005668, AC007528, AR023048, AC002302, AC008372, AC000111, AC004770, AC004228, AL109758, AC003692, 292546, AL034369, AC000003, AP000353, AC003667, AC005618, AL031651, AL031675, AL022337, AP000691, AC000118, AC004815, AC005923, AC003982, AC004253, Z92545, AL022394, AC007028, AC006581, AF134726, AC005328, AC000092, AC005250, AL049570, AL031729, AL117344, AC006950, AP000252, AL110956, AC005519, AP001052, AC007376, AL008636, AL034549, AC005327, AC006277, AL031007, AI022163, AC002468, AC006543, AC007387, AC06544, AP000511, AL031284, AC004989, AC04938, AL050211, AL080286, 298050, AC005180, AB020720, AC006537, AC005597, AC004769, AC006255, AL096769, AC004662, AC003070, Z83844, AL035271, AC005089, AC005071, AC002350, U73629, AC005530, AF045555, 299127, AL031315, AC006146, AL049747, AL049760, AC004069, AL031584, AC003013, AC005081, AC005209, AC006296, AC004673, AL109963, Z68285, AF024534, AC005578, AC006561, AC005355, AC004973, AC005800, AC005300, AC004910, AC002115, AC008116, AC004757, AL031282, AL031683, Z97056, AL031673, AC005086,

HTWLD61	7074	741610	1 - 204	15 - 218	AC004982, AC020663, AC005027, U96629, U91323, AP000501, AC007537, AC006946, AC002480, AC005015, AP22041, D95743, AL096829, AC006130, AC002467, AP000695, AL031297, Z8447A, Z85987, AC005085, AL078583, AL007688, AF095909, AC002542, AC002432, AL031123, AC006441, 272551, Z73988, AL050347, AC005621, AC005031, AF003626, AC004254, AP000503, AP000359, AL031447, AC004130, AC006141, AC006509, AC006251, Z83846, U80017, AC007227, AL022165, AC005274, AL096791, AL022313, AF00149, AL035587, AF031077, AC004494, AC004224, AL118507, Z84486, AF031078, AC000159, AL031174, AL035400, AP030876, AL031666, AL034561, AL021391, AF017104, AC005220, AC016831, AL050318, L81902, AB001914, Z83854, AC012128, AF095901, L47234, AC002369, AL049575, AL117354, AC005213, AF165176, AC007283, AC006344, AL034429, Z82215, AC007276, AC005695, AC007637, AL035698, AL096703, AC003984, M15366, AL050129, X56760, AC002286, AC005565, Z72006, AC005775, and Z94801.
HTWLD10	7075	964195	1 - 367	15 - 381	AI942248.
HTWLC51	7076	725533	1 - 279	15 - 293	R05388, and AA832101.
HTWKZ286	7077	785318	1 - 356	15 - 370	AI922217, AA736485, AL048914, AA805014, AA053870, AA664879, AA570557, AI421075, AI075935, N66944, H52397, AC005519, Z83819, AC005483, AC006948, AC002549, AC005317, AC005585, AC004106, Z84469, AP017257, AC005095, AC007055, AF196779, AL196865, AC005015, AJ011930, AC004686, AC003010, AC005832, AC004765, AC005859, Z99128, AC007227, AF196969, AC006362, AL031281, AL049691, Z93017, AC004997, AC002492, AF047825, AC006084, AC005081, AC009464, AL133445, AC004820, AF053356, AP000135, D26607, AC004526, AC006960, AL024509, AP000031, AC005095, L77570, AI251973, AC005529, AC004382, AC006205, AC005874, AF134471, AC000357, AL034420, AC004882, AP001040, AF207550, AC007550, AC009263, AC003108, AL034429, AC012384, AC004150, Z98742, AC002312, AC005189, AL050307, AC004996, AC005899, AL035659, AL049745, AL079342, AC004492, 297054, and Z84722.
HTWKZ46	7078	718872	1 - 352	15 - 366	AC006207.
HTWKZ235	7079	494833	1 - 115	15 - 129	
HTWKZ228	7080	686254	1 - 427	15 - 441	F23327, AI962030, AA425924, AA644090, AA833896, AA526625, AA526326, AA833875, AL046519, AC004778, AC004491, AL021918, AC004890, AF003626, AC008154, AL022162, AC007011, AC005562, AL009181, AL021940, AC007993, AL049611, AL021939, AC002128, AC007298, AP000557, AL088719, AL049631, AL049643, AF200465, AC005874, AF134471, AC003029, AP000236, AC006080, AP000695, AC004637, Z98949, AC005722, AC004169, AC002369, AL096701, AL035089, AC002365, AC005823, Z82195, AC005538, AC005081, AC007096, AP000008, AC005015, AC007488, AP000704, AP000967, Z81369, AU037295, AP000030, AP000212, AP000134, AC004911, AC007055, AC005410, AC006257, AC005871, AC005972, AC006111, AC005914, AC004682, Z98941, AC007263, AB017602, AC004686.

| HTWKZ27 | 7081 | 812689 | 1 - 365 | 15 - 379 | AL022577, AC007376, AL137578, AL137578, AC005412, AC016831, AC005300, AC002404, AL031685, AC006538, AC009516, AC006075, AL133353, AC001231, AC004659, AL121825, AA229042, AL133244, AP000103, AL109627, AC005599, AC002119, AP000330, AL031157, AC005534, AC005520, AC006946, AC008101, AC005377, AC004912, AC006333, AC002492, AC004508, 297652, Z93023, AC004234, AC004953, AC003663, Z94487, AP000056, AP000171, AC007731, AC002480, AC005500, AL035684, AL022315, AC006430, D87675, AC007191, AF001548, AP000210, AP000132, AC000353, AP000240, AL022318, AC016830, AP00269, AC002563, AP000014, AL022323, AC005486, and AC007563. | AA515723, AI185394, AA484892, AA480486, AA469230, AA654482, AW265688, AI049701, AA846923, AW390284, T08386, AA768179, AA229988, AI92996, T94072, AI635440, AW162750, AA601212, H62923, AA502110, AA605266, T05576, AA573000, AL137946, AI472736, AW419389, F31811, AI915081, H24957, AA757621, AW440568, AI360076, AA678932, F31867, AW068580, AA632556, AW081610, AA720582, AA429481, AW392414, AA515733, H91844, AA358086, AI889995, T50490, AI624379, F23338, AI471455, R70883, AI283938, W63353, AI223968, AI687343, AI432298, F00533, AI564301, AI347665, AI280535, AW150781, AI648514, AA614304, AI270177, AA524800, AW381823, R70884, AA302934, R94436, AW151247, AA832016, AA431801, AA808725, AA687542, AI355103, AA347927, AI053673, AA640252, AA228979, AA229823, AA702618, AI249525, Z25918, AA565319, AA515138, AI865196, AA450766, AI516320, AA503142, AW093934, AI590442, AI281818, AA225392, AI500668, AW407632, AW088190, F00688, AA610431, H67064, R34070, AA225754, AW166920, AA630476, AI926102, AA678616, AI762302, C06028, AI79421, H96146, F34506, AA225100, F09355, AA678950, AA481887, AI340151, F04475, AA632845, AI135634, AW008184, AI246996, AA582746, T49953, AA347930, AA568314, AA452724, AI679442, AA550959, AI679952, AI368732, T02827, H86579, AI783911, AI619987, AW078821, R80563, AA653291, AA469327, AI859438, AI583532, AI375294, AI142551, AA773042, AA336376, AA846482, AA665532, AI340858, AC003070, AL031591, AC005031, M87889, AL009181, AC004230, AL109952, AI022476, AC004999, AP000343, U30017, AC005231, AC006077, AU021391, AC004543, AF109907, AC004491, AC007099, AF152363, AC006449, AC005529, AC003101, AC005821, AC004752, AP000493, AC005209, AL035071, AC002565, AC004099, AC007686, AC007437, AC004796, AC004882, AF134726, AC004883, AL021977, AC006515, AC003104, AC004858, AC002549, AC008116, AP000355, AC005081, AL139054, Z98742, AC002542, AC006023, AP000201, AP000556, AC005663, AP000704, AC005921, AL117351, AC002062, AP000097, AL033392, AL132712, AC005940, AC005800, AP000301, AL021453, AL034420, AC004106, AJ003147, AL049839, AC004125, AC005409, AL049843, AL049589, AP000503, AL022328, AC005971, A51133, X76958, AC002559, AL122020, AF024533, Z98884, AC002288, AC004760, AC005866, Z98048, AP001051, AC005291, AC02063, AL078624, AL008718, AC004962, AJ246003, AC005071, AC005632, AL121757, AL035685, AL049694, |

2250

HTWKZ15	7082	659934	1 - 355	15 - 369	Z98304, AC005815, AC002996, AP000354, AC005086, AL117258, AL135744, AC004383, AC008009, AP000961, AC003982, AC002477, AC005972, Z98946, AC005746, AC005234, AC003695, AL109984, AC003043, U73479, AL035413, AL022163, Z73913, AL117328, AC007637, U95739, AC007298, AC005630, Z98044, AC002091, AP000275, Z84467, AL008721, AC006960, AC006948, AC007225, AC004686, AC005747, AC007240, Z49866, AC002302, AC000039, AC002350, AC006088, AC005015, AL035405, AL035683, AF118808, AC010200, AF039906, AC006480, AC004673, AF048729, AL121652, AC004834, AC005225, AL034351, AL022238, AL031074, AC006040, AC000084, AL118497, AB022785, AP000037, AP000105, AC007566, AC006101, U47294, AC003108, AL033525, AC005325, AC005156, AC004638, AC007934, AC016831, AC007773, AC005036, AC004079, AC004492, AC004878, AC004905, AC004765, AL022323, AC005288, AC006597, AF205588, AC005488, Z82172, U51561, X64467, AC007066, AC006501, AF165926, AC009225, AF196972, AF000359, AC005962, AP000547, AF006487, AC005856, AL031286, AC004148, AC007371, AC004067, AC003029, AC004837, AF027974, AC006251, Z99291, Z33846, U85199, AC005619, Z97054, AP000065, AP000045, AC005342, AC005516, AC005229, AL020997, AC002395, AF196779, AF029308, AC005684, AL109827, AC002349, AC005484, AC002430, AL031668, AL035086, AL121663, AC007216, AC005899, AC004890, AI006995, AC004819, AP000053, AC005152, AL021154, AC007030, AL049874, AC005664, AC003107, AC002543, AC006001, AL021546, AL021940, AF111167, AC005154, AC004844, AB014087, AL035453, AC006312, AC006064, AL133246, AC005722, and AL034555.
					AI754257, AA084439, AW410049, AA642809, AW277174, AW327852, AW270768, AI291037, AI754064, AA579398, AI797998, AA535316, AA129746, AA904211, AA846923, AA618263, AI090377, AW238712, AI634187, AA809125, AI281818, AI754170, AA127222, AI036539, AW021951, AI521525, AI283312, AI889995, AA62801, AI479144, AW23834, AA74110, AI053784, AA831426, AA496360, AI035977, AW15247, W60612, AA679794, AA579130, AA577706, AA410788, AW151541, AW069412, AI31779, AI05617, AI45713, AI145278, AI809818, AW069227, N40092, AI20728, AW020150, AA60002, AA02906, AI745116, AC006080, AC004805, AI02326, AC006211, AL133246, AC009241, AL03161, AI049838, AC006965, AC018633, AL035086, AI11168, AI022336, AI117354, AC004182, AC005678, AC006511, AC002088, AI078581, AC006077, AL031276, AP000493, AP001051, AC022578, AI132826, AL050338, AI049832, AI02358, AC007652, AI035688, AI132177, AC008282, AC006026, AP000403, AC004885, AC005588, AC005036, AP000044, AC007655, AI00985, AC005828, AI031287, AI031848, AI122126, AC008119, AC004028, AP000043, AC007015, AC002430, AC004158, Z95114, AC005225, AI034376, AI133396, AC002269, AC007384, AI022717, AC004478, AI10653, AL049654, U66672, AC006006, AC004910, AI947324, AI152363, AC006160, AI000094, AI132712, AI136504, AL122020, AP000552, AC004492, AC005157, AC006112, AC005969, AC004042, AC000085, AL035412, AC006257, AI121694,

Clone					Accession Numbers
HTWKT41	7083	712142	1-437	15-451	AC002394, AL079342, AC002553, AC004148, AC004019, AC005411, AC005484, AC004068, AL035249, AL031132, AP000009, AC004451, D87675, AL022143, AF001550, AC000405, AL031133, AP000354, AC003684, AB020869, AL031259, AC007955, AC005234, U91324, AL031297, AC006017, AL136295, AC002981, Z93016, AC005283, AC004764, AL121397, AL050321, AC005544, AC005537, AC007326, AC005014, U91318, AC000359, AC003010, AL021394, AF178030, AC005527, AC005740, AL049780, AC004659, AC007540, AC007055, U47924, AF003528, AC007036, AL022575, Z86090, AC000004, AC005257, AC003976, AC004655, AC004887, AC003688, AL031671, AC005529, AL022719, AC007151, U89335, AL031311, AC003108, AC005939, AC005082, AC005053, AP000516, AC006480, AC005370, AB023050, AC004646, AC007637, AC004583, AC002477, AC006482, AL022578, AC003658, AL022067, AL109853, Z95115, AJ011930, AC006449, AC005771, AC005206, U91326, AL035089, AC002476, AL121754, AC007541, AC007934, AC002310, AC005911, AL133371, AC007238, AC007040, AC004941, AC002036, AF109907, AC005593, AC003081, AC005667, AC005330, AL031708, AL021546, Z98200, AL031670, AC004277, AC005057, AC005086, AL049552, U80017, AL022726, AC005532, AC005280, AP000353, AL034420, AC007388, Z83215, AC005274, AP000470, AC005736, AC004257, AL022316, AP000511, AL031680, AC000991, Z84480, AC002546, AC000353, AC009247, AL020997, AC006996, Z84466, AC005844, AC004491, AC005746, AC006146, AC007030, AC005841, AL049765, AC005399, Z81370, AL080243, AL121756, AC004685, AL031295, AF217403, AF049895, AL050307, AC002563, AF196972, AL031686, AL049611, AC006468, AC004030, AC006343, and AC002988.
HTWKE34	7084	703863	1-522	15-536	AA281719, AA286940, AW271848, AA743292, R39726, and AA262177.
HTWKB07	7085	952841	1-307	15-321	N76304, and N76291.
HTWIY56	7086	708338	1-458	15-472	AI000527. AW118886, AI741663, AI435117, R70887, AI199990, AI168416, AA285071, AI361897, AI215545, R70888, AI361901, and AI195821.
HTWH08	7087	790185	1-193	15-207	AI302448, N92646, AW134987, AI950033, AA659232, L29349, X17648, AA28928, L29348, U93096, S48539, AC005081, AC005399, AC002418, AP005011, AL049713, Z33840, AC006013, AC004386, AC010722, AC005406, AL079333, AC005899, AL022323, Z47066, and AL049872.
HTWIF89	7088	805706	1-449	15-463	AL138227, AL138236, H80610, AA133578, EI2953, Z43397, H10281, AA486037, AW170131, AA878478, N91220, H82000, AA488655, AA456874, AI81814, AL469200, AA925253, H80857, A091568, AI76811, AA836363, AW274397, and AA829456.
HTWIF50	7089	911448	1-1533	15-1547	A169368, AI08929, AI492178, AI239859, AA651942, AI057017, AA932955, AW205176, AA806301, AI911826, AW205734, AI439640, AI39127, AI493662, AW207182, AW270056, AA825776, AA291010, AI239585, AA235097, AA256500, AA291012, AA310652, H58752, AA824566, AW340433, D31147, AA256924, AA919804, D31268, D31363, AI243382, AA578487, AA504191, and AA504190.

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HTWJA79	7090	559919	1 - 214	15 - 228	AA464604, AW069227, AA845659, T41284, AI933600, AI634187, N23913, AA483599, AW083934, AI457313, AA613257, H42271, AA595547, AA503298, AA682912, AC002288, AC007999, AL022318, AA004797, AI00591, AF207550, AA700553, AL031577, AC003108, AC005500, AC004033, AC009116, AA023187, AC005071, AC00323, 295114, AC016025, AC005998, AC006421, AC004805, AL121603, Z84480, AC002369, AC003071, AL022396, AC005874, AF134471, AI134471, AC137100, 293930, AC005632, AL031846, AB000802, AL049694, AP000555, AL049499, AL050402, AC002470, AL133246, AL035423, AP000469, AP000692, AL049776, AL008732, Z83826, Z93241, AC007731, AC002425, AP000210, AP000132, AC004796, AL031281, AL031542, AC007681, AC005899, AL021154, AL009181, AC009963, AC004752, AF107085, Z97630, AC000353, AC000353, AL080277, AL031120, AF128525, AC004544, AC007785, Y14768, AP000502, AC010077, AC003041, AC004408, AL049780, AL053587, AC007225, AL008715, AL035413, AC005399, AC007227, AC005089, U91326, AC005484, AC002300, AC006285, AL022722, AC005740, AL021155, AL035089, AF134726, AL079295, AL031676, AC007099, AC002476, AC005304, AC007676, AC004057, AC007510, AP000505, AC006486, AL023575, AC005839, AL049589, AC003109, AL117694, AC005004, AL135960, AI131016, AC004841, AL132992, AC004848, AC009509, AL033527, AC008984, AC004623, AL080242, AL049697, and AC006392.
HTWFQ19	7091	586124	1 - 225	15 - 239	AC006208.
HTWFM90	7092	582285	1 - 368	15 - 382	
HTWFM89	7093	786805	1 - 369	15 - 383	AA744539
HTWFM79	7094	841983	1 - 331	15 - 345	AA501794, AA506744, AI783581, AA743445, N23896, AA586661, AA526426, AW250905, AW150524, AA679532, AL041373, AA555216, AL041526, AA207033, AA847702, T71535, AA532578, AL109612, AL139054, AL079342, AC005084, AC006449, AC002091, Z98749, U91323, AL117354, Z82975, AC004913, AC007160, AC007842, AC004999, AC007075, AC005971, AC004859, Z84466, AC006111, AL135744, AC002314, AC005288, AL049758, AL049843, U07562, AC006141, AD000092, AC004662, AC007253, AL109952, Z84483, AC005520, AC005531, AL110502, AC005535, AC005377, Z85986, U85195, AL049539, AC005207, AC007358, AL031291, AC006965, AC009247, AL078639, AL049569, M63543, AL031229, AF111167, AC002472, Z97053, AC005031, AL121825, AL121652, AC006511, AC005387, 295114, AL035079, AC006211, AF029308, AC002312, AC004808, AE000658, AC000353, AC005057, AC005730, AC004019, AF207550, AR036572, U91328, AC007536, U50871, Z99116, I08101, I08711, M24461, Z84469, Z85987, AF006156, AF064862, AL049759, AL096701, AC005225, M65544, AC005071, AF12453, AF205588, AC005632, AC064865, AF019413, AC006262, AL049636, AC002115, AL024507, Y18000, 297183, AC005411, AL035427, AC006006, Z84480, AC005696, AP000023, AC002468, AC002980, AC002426, AL034421, AB023051, AC005409, AL031659, AL021154, AC005280, AL022318, AC006530,
HTWFM71	7095	760303	1 - 304	15 - 318	

HTWFM48	7096	721587	1 - 351	15 - 365	AP000031, AC004876, AL022721, AL133246, AL033527, AP000555, AP000255, AL121653, AC002477, AC004554, AC005899, AF042089, AC007450, AC004821, AC002310, AL133249, AC007055, AL031390, AF159056, AC002377, AC005519, AC004745, AC008119, AC005874, AF134471, AC005670, AC005179, Z84484, AC004531, AC007136, AC005181, AC004805, AL096678, AL049538, AL031650, AC005568, AC005215, AL031230, AC007308, Z83844, AC008040, AC006274, and AF165926.
HTWFJ71	7097	869491	1 - 596	15 - 610	AI357460, H64908, H64907, H86105, H86095, AA586433, AC004884, AL049589, AC005539, AP000500, AL035458, AL109758, AL133312, AC005859, AC002449, AC004382, AL135960, AJI31016, AC005921, AC009363, AC006205, AC005288, AP000194, AL031431, AC005548, AP000355, AC007055, Z85987, AC006950, and AL008718.
HTWFH75	7098	767251	1 - 485	15 - 499	H78965.
HTWFH73	7099	761686	1 - 710	15 - 724	AA417751, and AW376554.
HTWFH42	7100	713667	1 - 626	15 - 640	T86260, and AA001345.
HTWFG29	7101	800193	1 - 114	15 - 128	AI219208, AI697463, and AL050379.
HTWFD63	7102	745010	1 - 499	15 - 513	T77812, T77718, and AA009632.
HTWEY89	7103	864553	1 - 708	15 - 722	N36996, R36291, AW368228, Z42166, AL117446, AF084520, AF111162, and AF023451.
HTWEO90	7104	788859	1 - 705	15 - 719	AA059476, AA017611, AA056081, AA001373, AA017554, AA053344, AA001463, AA018178, and AA054441.
HTWEJ74	7105	765512	1 - 423	15 - 437	N64473, and AI379859.
HTWEH76	7106	876853	1 - 753	15 - 767	AA155698, AA307060, AA314164, AW247756, AA378299, AA352789, AA339982, AA205909, AA400664, AA455232, AA356865, and AA205544.
HTWEC75	7107	767264	1 - 849	15 - 863	AW003230, W16522, AW003274, AI199577, H37762, AA017517, H86814, H33845, AA813026, and N79989.
HTWDR91	7108	869526	1 - 433	15 - 447	AA522642, AA502866, AW062724, AI133297, AW084466, AA568754, AL045808, AL046156, AA552856, AA552843, AI270117, AL031721, AC004686, AC005231, AC007536, AC005914, AL133445, AL021878, AC005066, AC003026, ALO21154, AC004386, AL049761, AC004504, AC002467, AL133960, AJI31016, AC007664, 299497, AC006143, AC002350, AC006211, AC005295, AC005520, AC005525, AL049872, AF205588, AF111169, AC006538, AC005013, AP001053, AC004104, AL139054, AC002472, AC002349, AC005387, AC002347, AC009516, AC004066, AL049871, AC004087, AC005261, AC006130, AC004956, AC002492, AL033521, AC006257, U91321, AC007229, AC007792, AC004049, Z86090, AC002301, AC007057, AC007182, AL079342, AC003684, AL109627, AC007021, AL022316, AC006111, AC007287, U95739, AC004953, AC004804, AC004554, AC010206, AL008722, AC004448, AL133163, AC002418, AC004167, AL050033, AC003070, AC005399, AC002115, U66059, AF064861, AC001228, AC005251, AC005256, AL121655, AC007688, AC006115, AC008040, AC005913.

ID					Accessions
HTWDO06	7109	935644	1-448	15-462	Z99716, AC005041, AC006490, AC006079, AF200465, AC006495, AI031650, AC002558, AP000346, AF111168, AC005220, U85195, AC007735, AC004526, AC004797, AB000658, AL049760, AL034549, AL022322, AL034373, AC005859, L78810, AL117354, AL034417, AL033422, AC005088, AL113289, AP000553, AC002468, AC007204, Z93241, AL133244, AC004408, AC002550, AL031184, Z93023, AC003002, AC004453, AL022165, AL109628, AC005531, AL031588, AC006273, AC005242, AC002082, AL034423, AC005527, Z97053, AC009498, AC004402, AL035413, AC007240, AC005940, AC023101, AL022329, AF134726, Z84487, AL035086, AC007114, AC008125, AC006316, AL022302, AF190465, AC007014, AC004687, AC007277, AP000493, AP007043, AC007686, AC006544, Z98257, AC002119, AC004000, AL049569, AL078603, AL132994, U02531, AC007263, AC007050, AC000353, AL022476, AC005529, AP000350, AC006537, AC008372, AC005696, and AC004027.
HTWDK68	7110	753086	1-437	15-451	AI669567, AI695711, and T05468.
HTWDD42	7111	713869	1-328	15-342	AA129656, and AA746901.
HTWDI49	7112	723047	1-571	15-585	N77531.
HTWDE70	7113	844831	1-436	15-450	AA054396, AI743787, AI073458, AA018101, and AI044482.
HTWCL86	7114	575978	1-215	15-229	AC005696, and U72337.
HTWCJ08	7115	959591	1-401	15-415	AA888961, AW439896, and AA866282.
HTWCG06	7116	935642	1-443	15-457	AA279971.
HTWCD06	7117	935646	1-557	15-571	AA579292, and AC006465.
HTWCB69	7118	729244	1-457	15-471	T84278, and AA383674.
HTWBW72	7119	772117	1-230	15-244	AW115049, AW083547, R61742, AI568770, AI222656, AI041283, AI640653, AI991607, AW236481, AI969723, AA705419, AI093706, AA425921, AA430741, AW006215, R02041, H61287, H28170, AA468148, AC006208, and A81344.
HTWBV33	7120	594496	1-1041	15-1055	AB985143, AC005089, AC004834, AC007227, AL133163, AC005071, AC005399, and Z83844.
HTWBV03	7121	869549	1-636	15-650	AA732581, AA824630, AA832097, N26752, AA808362, AA215352, AW085919, AA669001, AC006059, and AF184110.
HTWBT62	7122	742588	1-521	15-535	T83835, AA677864, AW261956, AW261950, AA298745, Z99572, Z99572, AC005482, AC005027, AC009501, AC007064, AC006257, AL022100, U80460, AC004191, AW000517, AB023054, AL049872, AL021978, AC003007, AC005632, AC005697, and AC005229.
HTWBP67	7123	751752	1-447	15-461	AA056010.
HTWBL08	7124	959619	1-406	15-420	W56799.
HTWBI04	7125	922175	1-395	15-409	AI638694, AW182504, AI150350, AI376812, AI373044, AW003341, AI083699, AA534930, AI887148, AP51215, AI620446, AI659373, AW206004, AI085282, AI522003, AI521262, AA741574, N67531, AW339317, AI695995, AI916152, AI092112, AA765164, AA808097, and AI620044.

HTWBF27	7126	683546	1 - 565	15 - 579	W37350, A970621, AI810064, AI493716, AI189191, AI88513 6, AA743040, AI189957, AA760856, AW071071, AI433949, AA481996, AI822555, AA515413, AI024301, AW190996, AT795936, AI188529, AI824302, AI975839, AI695491, W37351, and AA481851.
HTWBE63	7127	745194	1 - 333	15 - 347	H92261, and AC016025.
HTWBD84	7128	783120	1 - 463	15 - 477	AA699991, H71504, H71176, and AC000118.
HTWBD61	7129	604245	1 - 555	15 - 569	AP000355, AC003950, AC005089, AC007151, 269705, AC004754, AP000036, AC005300, AC007225, AB023048, AC005015, AC003085, AP000510, AC006441, AI109963, AC004813, and AL022336.
HTWAM49	7130	722141	1 - 432	15 - 446	H74000.
HTWAM48	7131	518825	1 - 327	15 - 341	AA743563, AA742175, AI220263, T57857, T57938, and AC009304.
HTWAM25	7132	677506	1 - 744	15 - 758	AA743565, AA743563, AW082692, AI627258, AI671544, AI671088, AI634816, AI147359, AI206170, AI472278, AI568947, AA889568, AL036581, AI016693, AI307382, AI024362, AA961211, AI911594, H43229, AI041222, T26622, AI457243, H11156, AW230438, AI674226, AA464060, N50195, H44677, AW300315, N49065, AI004849, AA188991, M79060, AI142365, T85312, AA100133, and R72791.
HTWAJ11	7133	967845	1 - 728	15 - 742	AW088739, AA453123, and AA449987.
HTWAE31	7134	725127	1 - 342	15 - 356	R16359, N57044, AA588892, AA548419, AA853105, H03307, R25111, H02478, AI031908, R00720, AI807471, AI827995, AI539386, H12509, AA412317, H72421, AA455577, AA305179, R23890, AW371415, H00834, H76442, AI025228, R31066, W79084, R37557, W00472, AI190303, R73757, R71169, H03862, AI393148, H72396, AA436117, N40362, H59895, AI345954, AA868538, R23710, H01351, R83423, AI291760, AA988977, AI311479, AI025986, R6327R, AI083851, AI219986, AA932930, AI829710, AI436105, R65986, R76229, AW268605, AI202768, R75983, AI142135, AI338679, N37092, AA305134, AI204426, AI272044, AA295914, AI808710, AI309975, AA905015, AI289227, AI917731, AW084515, AI976254, AA883578, W58740, AI830140, AT798704, AI332422, AI807161, AI222787, AA885823, T85666, AA884231, AI742423, AI148589, AI476645, R73969, AA906270, AI991280, AI091541, AI040961, AA884285, AA843421, N26589, AI204236, AI091532, AI081663, AW001083, AA435561, and AF151810.
HTWAB85	7135	522346	1 - 294	15 - 308	AA522944, AA704012, AA809116, AI648583, AA070899, AC003007, AC005632, AC006064, AC007731, AC005500, AL031680, AC004659, AP000065, AC008033, AC007687, AC005358, AC006449, AC005015, AP000212, AP000134, AC006262, AC005102, AC004797, AC006333, AL031848, AC005081, AC002544, AL031767, AC005013, 295152, AC005412, AI022320, AC005257, AC005899, AC006001, AC007384, AC004851, AC03070, AC016831, AC004125, AC005261, AC002996, U91318, AL131054, AA054555, AC005696, AC005914, AC004167, AC007055, AC008101, AB001523, AP000552, AC005722, AI049779, AI035410, AP000044, AC002400, AC004967, AL031311, AC004996, AC005575, AC006120, AC004883, AL049780, Z84480, and U91326.

HTWAB65	7136	533745	1-419	15-433	AI187056, H82904, AI133350, AI246876, AI614055, AI119415, I91630, AI677386, T81869, AA625238, AI457464, AI049765, AC002072, AP000152, AP000011, AF035396, AF003625, AL031391, AL031278, U13657, AC007363, AC002524, AL117258, AC008012, AI049829, A8014088, AC004470, AC005969, AC004190, AC004687, AC009411, AC006971, AC004998, AC005061, AF101874, AL022575, AC004225, AC004948, AC007486, AP000516, AF036938, AC007100, U01882, AL035552, AF001905, AL022151, AL11654, AC006143, AL133249, AL117325, AC002463, 275745, AC004384, AC004335, AC004025, AP000567, AC004103, AL049781, AC002395, AC002457, AL132826, AC004070, AC007751, AL109753, AC002980, AL031433, AP000083, AL021147, Z84470, AP020867, AC006197, AC004519, AC004020, AC005389, AC007380, AL031653, AL049589, Z83822, AC008041, AC005539, AC004052, AC007877, AL109620, AC003083, AL031651, AC000115, AL020989, Z97632, AC008123, AC005728, AC004979, Z83841, AI049612, AL118521, AC007312, AL109733, Z82975, AC004452, AL133233, AC003013, AC005535, AC004389, AF130342, AC003667, Z69367, AC002564, AL022160, and AL049177.
HTWAB57	7137	735153	1-350	15-364	AA836182, AI818453, AA345400, R12683, AI371165, AA507984, AA420739, AC006946, AC005952, U85195, AC006456, A8000658, AC004447, AL035417, AC005043, AC002400, Z34534, U07562, Z95115, Z97054, AC004799, AL110279, Z93752, AC004672, AL132708, AC003574, AL035691, and AL109758, AC005837, AP000044, AP000112, AL132708, AF088219, AL035681.
HTWAB46	7138	522817	1-229	15-243	
HTWAB42	7139	714291	1-372	15-386	AA728861, F13749, AA715351, AL039309, AI636734, AA381762, AW238016, AL135643, T07346, AA341120, AI751162, AW162288, H12972, AI696793, AA804625, AI053489, A302952, AA878407, A9973173, AL021366, AL050332, AL024507, AP000358, AC004990, AL022326, AL049694, AL049869, AL121754, AC007225, AC002470, AL121655, AC004990, AF126403, AC006449, AC005696, AC004477, 275407, AC005089, AI251973, AC003682, AC005703, AL049872, AC002492, AC005632, AC007731, AC005015, AC005500, AL078584, AC004408, AP000553, AF064860, AC004638, AC007051, AL022313, U47924, AC002430, AC002663, AC007384, AC008012, 298048, AF129756, AL049829, AL021154, AP000096, AL034417, AC005057, AC005488, AL096703, AF109907, AL022067, AC004149, AC004079, AL031447, AC000052, AL031594, AC006121, AC005041, AL049636, AP000240, AC002350, AC005914, AC006511, AC004019, AC007066, U95741, AL022316, AL031296, AF053356, AC004491, AC005081, AC001228, AC004815, AC005180, AC005722, AL023803, AC006538, AC009516, AL031589, S8195, AL022323, U02068, AC005071, AF165926, AL080243, AC005237, AC005323, AL121603, AC005740, AC005971, AL136295, A8000658, U91321, AC005102, AL031587, AC003147, AC004983, AL117258, AC005229, AC005837, AP000556, AC004471, AC007308, AL109984, AL133245, AC004913, L77570, Z83840, Z93784, AC004991, AF030876, AL109627, AL109827, AC006116, Z95116, AL117340, AC005911.

HTWAB32	7140	524291	1 - 309	15 - 323
			AC005899, AC008525, Z99716, AP000201, AC005874, AF134471, AC005796, AF124731, AC005410, AI006216, AP000097, AC002073, AC004253, AC005943, Z95115, AC005520, AC007151, AI121825, AL009181, AC005736, AC005257, AC000226, AP000555, AL033392, AC002059, AC005067, AC005844, AC005239, AC005587, AC005231, AC004459, AC004752, AL049744, Z97053, AC010200, AI025575, AL049589, AL054910, AC005069, AC016027, AC016830, AL079303, AI111168, AC005189, AC007216, AF091512, AC007240, AP207550, 293241, AP000510, AL079301, AL035684, AC002369, AL031311, AC008040, AP000347, AL034421, AL049538, AL133371, AL132987, AC005225, AC006948, 282215, AP000346, AC007387, Z84814, AL035089, AC016025, AC004813, AC006285, AF001548, AL022316, AC003109, AC003007, AL031393, AL031393, AC003962, 298051, AC007226, and AL034150.	AA630476, AW023975, AI174703, AA663579, AW275433, AA425283, AW409626, AI114543, AA493546, AI547110, AW084152, AA631915, AI282479, AI254267, AI708108, AA555232, AA601376, AI753904, AW409621, AA280886, AW026305, AI421950, AW339619, AI419337, AI568376, AL039436, AI316670, AW104161, AI061313, AA446618, AI361090, AI349130, AA502991, AW192415, AI267416, AI042667, AL042670, AI801479, AA525818, AI039257, AI049999, AA180056, AA669238, AI433952, AW439224, H86725, AW270468, AI434653, AL037067, AI065031, AI889345, AW084445, AI520984, AA649963, AI284543, AW148964, AI281622, AA526542, AI090377, AA831426, AI572680, H59429, AI003068, AA829044, AI476049, AI797998, AA527711, AI250552, AI250552, AW327624, AA714011, AI923052, AA525156, AI252005, AI254463, AW151247, R99253, AI921744, AA229012, AA669155, AW069273, AA483735, AI254770, AI809300, AA572711, AI791659, AI251284, AI251034, AI251203, AA601712, AI457152, AC002306, AC005519, AP000008, AC004125, AC008044, AC002094, AA049694, AC004234, AP001054, AC004808, AB020865, AI022165, AI021453, AF129756, AC004019, AL133163, AC005175, AC004859, AC007488, AC005911, AC007421, AI049776, AC005089, AL049839, AC004265, AC004233, AC007050, AC004895, AB001523, AC005484, AC004257, AC005412, AC007277, AF111168, AC005585, AL031311, AC008372, AL034420, AC006696, AC007036, AC021808, AC007308, L44140, AP000553, AF001550, AL035587, AI139054, D95742, AI031673, AI049538, Z99714, AC002312, AC007229, AC006487, AA007712, AI109758, AI003821, AF207550, AI022322, AC005740, AI011930, AI109907, X69907, AC005021, AC006684, Z83843, AI080317, AI035416, AI121663, AC004858, AC006315, AC005346, AC005189, I78810, AC006069, U85195, Z98051, AC006261, AI031087, AC005182, Z85986, Z54073, AC004006, AI049829, AI031846, AI109628, AC006449, AP000248, AC005814, AC004039, AC004973, Z75744, AC004056, AC003957, AC005015, AC005624, Z99716, AC007371, D00591, AC005829, Z95114, AI034423, AC007684, Z83840, AC005183, AP000557, AC005253, D00591, AC005632, AC003007, AF196779, AI121595, AL031433, AC004994, AC005722, AC004064, AL031670, AC004801, AC005332, AL133246,

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HTWAB27	7141	522796	1 - 353	15 - 367	AC003043, U63721, AC005730, AC004805, AL035658, AC004751, Z84469, AC007227, AC002036, AC006538, AL049591, AL049307, Z54246, AC007666, AL109827, AL049874, AC010205, AF176815, AC005701, AF165926, AC004998, AL109847, AB016897, AL133312, AC004383, U91327, AC005619, AC005409, AC002404, AC008726, AJ022721, AC004236, AC004491, AL020995, AC006511, AC010170, AC004913, AC006277, AC004531, AC003665, AD000092, AC004771, AC005231, AC005377, AL024509, AL133243, AC004743, AL080243, Z82198, AL009181, U91323, AC006241, AC004671, AC002546, AC000052, L39891, AL021579, AC006101, AF196971, AC002565, AC008072, AL022163, D28126, AC002394, AC004997, AC005531, AC008041, AL031005, AC003109, AC007298, AL049869, AL107858, AF001549, AC007676, AC003029, AC006453, AL008718, AC004783, AC005666, AC000159, AC004673, AL096775, AC002563, AC002120, AC005355, AC004663, AC004381, AP000210, AP000132, AP000208, AP000130, AC006441, Z81364, AC004099, AP000457, AC002418, AC005261, AL031228, AL022476, AL035445, AC004593, AC004448, AC006671, U07000, AC005726, AC005102, AL031289, Z93390, AC005682, AC005406, AL033521, AL050331, AF111167, AC007386, AC002310, AL049843, AC003080, and AC003041.
HTWAB18	7142	522794	1 - 194	15 - 208	AC003010.
HTWAA90	7143	789271	1 - 413	15 - 427	AA846935, AF796594, AA904211, AC005190, AC005531, AL022336, U91326, AC005520, AC008101, AC007316, AL022721, AC006512, AC008044, AL031848, D87675, Z99716, Z95114, AC002470, AC007308, Z97054, Z93023, L78833, Z82190, AC007057, AC000081, AC006100, AC001685, AC006239, AP000551, AP000056, AC005255, Z82244, AL033111, AL133448, AF165926, U96629, AL050318, AC005924, AC005484, AC003101, AC007214, AL049776, AC004600, AC002350, AC006544, AL080243, AC005280, AC006064, and AC005231.
HTWAA79	7144	869563	1 - 392	15 - 406	AC007766.
HTWAA42	7145	522603	1 - 140	15 - 154	
HTWAA32	7146	522797	1 - 426	15 - 440	AA643226, AI014703, AI960243, AW162494, AW162864, AA189060, AI859830, AW204291, AI948937, AI989446, AI954000, AI309612, D81407, AI675152, and AU022240.
HTWAA31	7147	915276	1 - 332	15 - 346	
HTWAA22	7148	425133	1 - 442	15 - 456	AI039089, AI912401, AA657752, AA641122, AW274078, AI049845, AA612727, N74479, AI187148, AI828275, AA600202, AA452887, AA581247, AI446336, AA158549, AA513851, AA630854, AA015740, AA595499, AL031595, AL132777, AC002425, Z98051, AP000509, AI049766, AC004895, AC009516, AC006512, U91326, AC005730, AC005484, AC005921, AL021939, AC005500, AL049780, AC005730, AI003626, AB023049, AC005089, AC005921, Z98304, AL096701, AF017104, AC004671, AF053356, U47924, AC004448, AC002663, AC006530, AF196969, AC006511, AC002465, AF053356, U47924, AC004448, AC002663, AC006530, AC004821, AC004491, AL049830, AF196972, AC005952, AB000882, AC005225, Z84480.
HTWAA17	7149	667166	1 - 291	15 - 305	

					Accessions
HTUAE10	7150	968597	1-400	15-414	AC004841, AF001549, AC002301, AC007536, AC006538, AC002394, AC005048, AC005324, U52112, AC007021, AP000356, AC000356, AC005846, AC007298, Z95115, AL080243, AC006576, AL008710, AC006509, AL133353, AC004967, AC005399, AF069291, U80017, AC008372, AF069074, AL031846, AP000553, AL109627, AC004686, AP000350, AL049636, AL024498, AP000505, AC007308, AC004815, AL096773, AL031985, AL034033, AL121652, AC005180, AC002430, AC005015, AL020997, AC004890, AL023803, AC006312, AC003109, AC005088, AC006241, AC003101, AC006388, AC003665, AL008708, AP000466, AP000557, AL009031, AC005839, AC004694, AL121603, AC007055, AL009181, AL022316, AC002375, Z93023, AC002119, AC007384, AC005821, AL133163, AC003107, AC004148, U95739, AF207550, AF129756, AC006026, AC004983, AC002996, AC003085, AD000092, AL049696, AL049631, AC004902, AL078581, Z36090, AC004685, AC003042, AL023879, AC005837, AC000041, AL031291, Z82178, AC006557, AP001052, AC005332, AC007546, AC003029, AC007421, Z98950, AC005231, AC007192, AC006251, AC005722, AC005592, AL035587, AL022318, Z84476, AC012083, Z83840, M89651, AL121754, AC002128, AC005971, AC007226, AP000513, AL033504, AC005412, AC004882, AC005695, AF111168, AC005702, AC002326, AL132712, AC006501, AL033557, AP000302, AL031311, AL121653, L78810, AC007216, AL034548, AC006285, AC002302, AC007193, AC005829, AC005037, AC005907, AP000349, AC006057, AC007225, AL031427, AL035086, AL031848, AL022319, Z83844, AC004167, AC004985, AC003663, AC004703, L35535, AC006211, AC006960, and AC005519.
HTUAA93	7151	522950	1-351	15-365	AI285485, AI348867, AI053496, AW268210, and AW303040.
HTUAA79	7152	773978	1-369	15-383	
HTUAA63	7153	522080	1-249	15-263	AA48732I, AI793001, R00245, AA377710, AL031176, AL096773, AC004009, AL109865, AL109622, AC002045, Z99756, AC004042, AC002492, U95626, AC000358, AC006926, L42096,
HTUAA59	7154	556958	1-347	15-361	AC000114, AJ011930, AC012083, AC006080, AL109854, AC003677, AC005792, AP001068, AL109939, D42052, AP000475, AC007677, AC004685, AC003090, AC007253, and AL021407.
HTUAA55	7155	522805	1-347	15-361	ALI17342, H96435, H96525, AI051562, AI032133, AP000150, D83253, and AP000009.
HTUAA51	7156	725949	1-303	15-317	
HTUAA45	7157	526606	1-359	15-373	AL037910, AI223987, AI860020, AA192278, AW148792, AA346454, AI289962, AA587995, AA608704, AI871722, Z96662, AC006490, AC006539, AU22318, AC005829, M17262, AC004686, AL109627, AC003035, AC007066, AB023051, AC007114, AF129756, AC007510, AL021155, AC005037, AP000692, AC005094, AL049569, AL123284, AC007999, AP000512, AC006530, AC005944, AC004024, AC004895, AC003010, AC005632, AL133245, AF053356, AC005102, AC007308, D87675, Z99716, U73636, AC005940, AC005839, AC006071, U80017, AC003037, AL031295, U95740, AL023553, Z93023, AC004042, AC006996, AC004087, AL020993, AC007285, M29929, AL135783, AC005215, AC002430, Z85986, AP000505.

2260

HTUAA42	7158	694535	1 - 101	15 - 115	AL049757, AC007283, AC005335, AC003108, AC007731, AC006017, AC005500, AC006965, AC007384, AL049776, AB023049, AL133163, AC005399, AC002320, AC004812, AC006538, AP000555, AL121658, AC005280, AC005181, AC005914, AC005971, AC005736, AC006538, AP000555, AC002470, AL079295, AC005765, AC004841, AC013256, AL031728, AL009031, AC005740, AC004019, AJ000347, AP000557, AC020663, AP000350, U95742, AL121825, AC005620, AC004890, Z15025, AL121580, X71342, AL109984, AC006285, AC002301, AC004531, AC005081, AC005763, AC004477, AL008715, AC005513, AP000097, AC004975, AC002395, AL031662, AC006450, AC016025, AC004831, AC005225, AC007216, AF091512, U63721, AP000500, AC005808, AC006141, AC004447, AC002477, AP000556, AC007298, AC002544, AC005261, AL133448, AL035071, AC002477, AD246003, AC006360, AC002059, AF121781, AC004887, AL109839, AP000201, AC005701, AP000493, AL035681, AL136295, AC009516, AC006241, AC004859, AC000353, AP000240, Z85987, AL132641, AC006057, L78833, Z95114, AL080317, AC004990, AL109758, AC005212, AL117337, AC004996, AC004382, AC007191, AL135744, AC003029, AC065295, AF207550, U89337, AL022326, AC004257, AL109967, U29953, AC003085, AC008984, AL034549, AC007917, AL035089, U91323, AC005670, AC006160, AF196969, AL079340, Z69917, AP000501, AC008055, AL035072, Z94721, AC005004, AC006064, AL035412, Z93016, AL023577, AL121653, AL022476, AC005999, AL096774, Z98051, AL035450, AC004814, AC006162, and U52112.
HTUAA32	7159	522807	1 - 212	15 - 226	AC005189, AC005601, and AC004762.
HTUAA25	7160	575308	1 - 476	15 - 490	H69008, AA458742, R02451, R00403, T99834, R02347, H86860, AA172191, AA345293, R89511, H67123, H73704, AI926681, AI860677, AA303055, R24915, AA457249, AA128700, AA176917, AA772016, R07395, AA604854, AA458498, AA823676, AA455015, AA553810, F27015, AA646425, AA055601, N64587, H72339, AA879053, AL040462, F02833, AA657835, AA640617, AI244254, AA613164, AI696550, AI051037, AA379332, AA693484, AI287832, AW081815, H63806, AA865262, AI982634, AA323349, AA467963, AA743811, H53168, AA229464, AW274197, AA573127, N76053, AI572693, T81820, W69964, AI565245, AA293366, T07483, AA349777, AA331231, AW075132, AI590458, AI046746, AI590499, N30431, AF141308, AC007227, AL035413, Z83822, Z94721, AC000025, AC005527, AC005332, AC004202, AP000518, AB023054, Z98950, AC004087, AL050308, AL031575, AL021707, AL049844, AL121603, AL096791, AC005669, AF196779, AF011920, AL022325, AL049761, AL008583, AL031588, AC006077, AC007406, AC005089, AL049780, AP000553, AC009516, U64564, AC003025, AF139813, Z92542, AC005969, AC004228, AL022318, AC004929, AL031678, AC005901, AC005529, AC004408, U73023, AC007193, C15026, AC004181, U95739, Y14768, AP000505, AC006965, AC004832, AC003082, AP000355, AF129756, AC006487, AC006091, U73331, AF061032, AC004651, AC004596, AC005300, AC002425, AC004638, AC006001.

| HTUAA23 | 7161 | 575319 | 1 - 357 | 15 - 371 | AL031587, AL021808, AC005666, AC003035, AC004887, U02068, AC004496, AC005756, AC003041, AC004848, AC020663, AC004805, AL049869, AP000151, AC005390, AC005602, AL021918, AP000688, AP000501, AC003110, AC005091, AC004974, AL021877, AL033527, AB014077, AC004209, AC006139, AP000514, AC004263, AC004150, AL109627, AC003683, AC000385, AC007055, AL137434, L35485, AD000090, AC005796, AC004517, AL109963, AC004141, AC004522, AC006208, AC005839, AL049712, AL080243, Z80232, AL020995, AJ009610, U73024, AP001060, AL031296, AC006251, AC004659, AL031432, AC002504, AC006815, AC005822, AC006482, L44140, AC004168, AC006273, AL008726, AL034423, Z93020, AF207550, AC012099, AL121871, AP000752, AC005808, AC005072, AP000503, AC007544, AL031729, AC004552, AF134726, AC005235, L35681, AC005325, AR060470, AC006411, U29953, AF037222, AC005568, AL031393, AL080242, AD000685, AC005067, AC004854, AP000210, AP000132, AL078581, AC006597, AC004893, AC006146, AC002546, AL021155, AD000092, AC005924, AC006539, AL030996, AC004918, AL034420, AL022101, AL034835, AC005085, AC002039, AC003663, AL049759, AC005914, AL021391, AC007314, AL049697, AP000248, AL049873, AL079242, AC004895, AC006050, AC007263, AL122023, AP000459, AC005874, AF134471, AC005010, AC005820, Y10196, AC005015, AC050307, AC006997, D88268, AC006926, AP000517, AP000010, AC003991, AC004543, Z84466, Z83844, and AL109847, AW106729, AA483223, AI609972, AI252176, AI254192, AA501791, AA583568, AA595656, AA557982, AI278972, AW150209, AA408982, AI267356, AI267450, T63954, AI421950, AI419137, AL133243, AC004686, AC005971, AC005102, Z98742, L133254, AI421950, AL035587, U95742, AC002430, AC008101, AI031311, AC005330, AC007216, AC074099, AL022322, AC007384, AC016830, AC016027, AL080730, AL008718, Z84469, AC009247, AC004771, AL009181, AL049749, AL049771, AL044969, AC005280, L78810, AL133448, AL035681, AC004834, AC005529, U91327, AL096701, A003147, AC007227, AC005387, AC006946, AC004650, AC005914, AC004895, AC004989, AC005527, AL022238, AP000314, AL021808, AC005512, AC004675, AC005431, AC004985, AC002416, AC005484, AC005174, AL031589, AC005911, AL049636, AP000557, AC005261, AF111169, AL003029, AC006468, AC004025, U63721, AC006071, AC005288, Y18000, AC007546, AL031282, AF033458, AP000240, AC006211, AC000553, AL021453, AL050308, AC005828, AC006006, AL080243, AL031276, AL022313, AF165926, AC005838, AC006531, AC005828, AC006162, AC005821, AC005088, AC004913, AC002310, AP000356, AB023049, AC004967, AF053356, AL035472, AF196969, AL139054, AC007263, AC002314, AC005212, AC002425, AC005578, AL022316, AC005921, AP000553, AC004626, AP000692, AL031228, AC007193, AC006057, AC004263, AF001550, AC005755, AL035443, AC002470, AC004922, AC006487, AC005531, AL022163, AF030876, U62292, Z85987, AL109801, Z93017, AC007030, AC004213, AC004408, U80017, |

HTUAA21	7162	575312	1 - 362	15 - 376	AC005399, AL035423, AC006241, AI019930, Z81364, AL031846, AC005519, AC004821, AL031662, AF031078, Z82208, Z84487, AC007919, AC004799, AC005005, AF109907, Z98946, AC002316, AC005291, U78027, AC006486, AC006511, AF134726, I78833, AL031848, AL111258, Z95114, Z98051, AP000030, AC006441, Z86090, AC000025, AC005551, AL031670, AL035071, AC004033, AC007685, Z97670, AC003982, AL021638, AL132712, AL109628, AL031284, AL021391, AC007688, AB003151, AL022326, AC002369, AF111168, AL032821, AF129756, AL096776, AF207550, AL080317, AL056321, AC025517, AL021939, AL050318, AC004703, AC004457, AP000032, AL035376, AC006538, AP000501, AL132777, AC005776, AC004234, AC003042, AC005011, AC000329, AC007421, AC005305, AC006942, AC004000, AL031255, AC004417, AC005049, AC000035, AC009405, AC020663, AC000003, AC005086, AL035462, AC007298, AC005924, AC005365, U91325, AL021154, Z97056, AL031123, AC005944, AP000229, AC000074, AL049872, AC007151, Z99716, AC005907, AL022318, AL022323, AC002347, and AC002565.
HTUAA11	7163	967919	1 - 161	1 - 175	AW275432, AA428270, AW238137, AI591659, AA372958, C75012, T40342, H65404, AL031587, Z93930, AC006367, I78833, AC034270, AP000808, AC005546, AF165926, U62317, AL096791, AL049694, AL024507, AL024498, AC007308, AL024474, U91321, AL022316, U73634, AP000030, AC007785, AP000044, AP000110, AC005081, Z95113, AC007537, AC004821, AC007546, AL080242, U47924, AC004816, AC006538, AL078581, AL023876, AC006044, AC005520, AC020663, L44144, AC004699, Z98941, AC004890, AL023476, AC006450, AF001552, AC004397, AL139813, AC004851, U91322, AP000501, AC005082, AL133445, AC007934, AL122920, Z98048, AC005736, AL121652, AC004228, AC004190, AC005412, AC000330, AC007741, AL109758, AC005751, AC005332, AC004973, AC005821, Z97054, AC005089, AC005562, AC005335, AC003689, AC002070, U78810, AC008372, AP000704, AC004223, AL031274, AL049745, AL035086, AC006203, AP000152, Z84487, AC007066, AF196972, U63751, AC006249, AF134726, AL031255, AC005011, AC005295, AC004997, AL080243, M89651, AC016025, AC006512, AC003025, AC006251, AP000215, AC005697, AF055066, AC006461, AL021155, AC003996, AC133163, AC006211, AL139054, AC007685, AL020995, AC004752, AC005664, AC041738, AC002565, AE000661, U91318, AC006472, AC005514, AF001549, AC022320, AC004841, AC004067, AC005102, AC004263, AL009901, AC005585, AC004686, AC002326, AL035413, AC004983, AL049758, AL022171, U63721, AC002991, Z94056, Z97989, AC004084, AC005288, AC003108, AC006261, AL044697, AC005200, AF111168, AL022494, AC004125, AC003665, AC000075, AC005940, AL049957, AC034034, AF109907, AC005231, AC008126, AC002553, AC005839, AP000348, AC015353, AC004853, AC006523, AC006285, AP000557, AC007731, AC004526, AF047825, AC000353, AC007540, AL031291, AC005067, AL022394, AC022350, AC005500, AC007279, AC005015, and AC003102.

HTUAA06	7164	960761	1-370	15-384	T81597, AI961957, AC006241, AL031427, AC002302, AC005015, AC006084, AL049569, AL049761, AC003982, AC003029, AC004820, AC005920, AC005669, AL022336, AC002425, AF196969, AC003003, AC002551, AL109827, AL109827, AC005065, and 297056.
HTUAA02	7165	921277	1-243	15-257	W40507, AW371697, AW371691, AW371690, AA325283, AA205748, AL041320, AI751044, and AB002323.
HTSHI55	7166	576030	1-359	15-373	
HTSHC81	7167	778008	1-388	15-402	
HTSHB38	7168	709445	1-494	15-508	AA458722, AA457463, and AC005277.
HTSHB18	7169	666569	1-307	15-321	AI743432, H82249, Z41469, R42880, and AI217259.
HTSG292	7170	975082	1-285	15-299	AI804747, and AL035413.
HTSGQ88	7171	576077	1-418	15-432	
HTSGQ42	7172	576078	1-269	15-283	H82292, and H82290.
HTSGM53	7173	728289	1-408	15-422	
HTSGL89	7174	787027	1-553	15-567	R96037, R96038, AA678616, AI889426, AI250747, AI223735, AW069227, AW151870, AW151201, AA741301, AW084004, AI366555, C16638, AL039761, AW078321, AW390284, AI347665, AI254440, AA644223, AA581498, AA084880, AI472736, AL035893, AW440568, AI246061, AA678932, AW081610, AA653291, N67313, AA652763, AA593945, AI251353, AI889995, AA032020, AW086117, AW086251, AI254781, AI255012, AI252979, AI254626, AI284684, AW086334, AA126814, AI568659, H09639, H28464, AA254153, AI358776, AA599712, AW438765, AA721530, AA309362, AA862312, AI249688, AA995373, AW086356, AI251968, AI251976, AA632565, AI254673, AI241970, AW086319, AI223508, AI254658, AI252933, AI251198, AI251298, AI252207, AI251380, AA565911, AI417469, AI582583, C15504, AA721523, AA371410, AI732671, AW327673, AW068596, AI961983, AW237905, AI791971, C14627, AI038304, F26582, AI754567, AI569100, AW192599, AI754105, F32248, AI752214, AI270149, N87435, H44471, AA747757, AI251949, AI255059, C14796, D51877, AI080307, AI251034, AA336318, AW086383, AI255003, N33993, AI520967, AW086335, AW019964, AI864620, AC005255, AL031602, AC005071, AC004967, AL109853, AC006084, U95742, AC006241, AC009891, AC006236, AC007216, AL031311, AC002404, AC005209, AL135960, AJ131016, AP000745, 256114, AL034451, Z83838, AL096757, AL021391, Z93930, U91121, AL035089, AP000558, AC005262, AC007151, AC002365, AC005523, AP000557, AC006571, AC005016, AL110279, AC004975, AL008735, Z69651, AC004675, AI251973, AI022326, AL096791, Z94160, AP088219, AC002984, AF196969, AC004552, AC002527, AI022320, AL035088, AC004234, Z93241, AP000550, Z98946, AC005736, AL031664, AC006947, AC007688, AL009183, AL033455, AC007546, AC003101, AP000704, AC003950, AF055066, AL009181, AC005899, L78833, AC004465, AC003108, AC007242, AC005070, AC007386, AL121655, Z68284, AC004259, AC006198, AL031843, Z93244, AC005225, AC007386, AL109801, AC005014, AF031078, AC008394, AC006511, AC004703, AC007204, AC006367.

HTSFU94	7175	793056	15-457	1-443	AC002091, AF030876, AC003007, AC005399, U82668, AF118808, AC005703, AC004878, AC006116, AL022400, AC003360, AC007541, AC007748, AC005324, AC008018, AC005844, Z82195, AL023879, Z83987, AP000075, Z65710, AL078621, AC009464, AL008719, AC004383, AC004600, AL049776, AL022069, AP000501, AC005632, Z83341, AL034554, Z82208, AC002316, AC005932, U62317, AC006600, AC004765, AL049709, AC004016, AB001517, AC003962, AC005778, AC005527, AL09984, AC004139, AF018080, AC004851, AC018769, AC007684, AL031447, AC003667, Z94056, AL117694, AP000014, AC015853, AC077792, AC005065, Z86004, Z98752, AC006581, AL049779, Z68870, AC008126, Z85986, Z98743, AC005274, Z74477, AL031587, AC005412, AL133238, AL049757, Z84474, AL035668, Z83840, AC007283, AL121578, AP000314, AC002070, AF111163, U82828, AC005529, AL035252, AC003030, AF134726, AC004449, AC006251, AL034553, AC004520, AC004966, AC005089, AI229041, AF030453, Z84466, AL021546, AL109956, AC004895, AC007157, AC005028, AB023048, AC005041, AF124523, AL135744, AC005009, AC004196, Z83844, AL096774, AC002996, AC004741, AC003688, AC004217, AC002477, AL133246, AC007536, AL009172, AC007934, Z80901, AL021918, AL022165, AF165124, AC004228, AL109865, AJ003147, AC004150, Z82201, AP000502, AF020503, AL133245, AC005006, Z98950, AP000310, AF196972, AL031428, AL021808, AC007707, AC004584, U07561, AL049757, AL096794, AL096703, AC007114, AL132777, AL022316, AC005971, AL050308, and AL021807.
HTSIFF64	7176	747003	15-412	1-398	AW270091, AW293640, AI198447, W97558, AI291780, AA971480, AA134809, AI568769, AI052173, W76553, F25233, W94387, D45557, F35717, AF140690, and AF14069l. H16146, H45145, AW245497, AA310767, AA029963, AL042338, AW163308, AW076605, AF034373, AC005014, and AL137587.
HTSEX79	7177	524280	15-253	1-239	AI624551, AA829193, AL044271, AA483606, AA516193, AA570740, F00564, AL048275, N72170, AA568204, AI682899, AA730872, R95840, AA654874, AA206475, AI433104, AA484738, AA470567, AA502532, AW023111, AI915081, AA599069, AA515723, AA578627, AA516190, H55217, H60249, N32878, F13808, AW265735, H78898, H66577, AA584690, AA630122, N27751, W20344, AA849609, AA515733, AA706628, AH45460, AA338233, AA525830, AA601728, AA479751, F01666, F01532, AI569363, AW068580, AA714110, AL045476, F37292, AI587349, AI054339, AA001191, AA470967, AC002544, AC007242, Z84467, I34294, AC020663, AC006454, AL031003, AC005531, AC004526, AL020997, AC005280, AC002316, AC006445, AC006064, AF196969, Z59129, AC005318, AC002117, AC002477, AC006077, AC003663, AI031282, AC006285, AC002347, AC005015, AC002470, U82668, AC005529, Z95114, AI474726, Z98047, AL121769, Z93017, AC004991, AC003043, AC004186, AP000501, U91326, Z84496, AL135744, AP000114, AL031427, AL035598, AC007382, Z97353, AL009181, AC005082, AL109984, AP000689, AP000697, AC006449, AC005971, AC007011, AP000212, AP000134, AC009516, AC005726, AC004999, AL022316, Z95115, AC006111, AC004531, AI236701, AC003029, Z99754, AP000517, AP000553.

LITSEW02	7178	920963	1-477	15-491	AC007537, AC006312, AP000301, AC007050, AC005786, AL049872, AC007240, AC004652, AC005808, AC006317, Z84469, AL080242, AP000223, AC000003, Z98051, U62293, AP001552, AB016897, AL049795, AC004796, AL035659, AB023054, AL133712, AC005003, U91318, AC006121, Z69922, AC022517, AC006538, AP00043, AC000099, AC004230, AL033527, AC002530, AC005004, AC004668, AC002430, AC005690, AC005484, AC006004, AL109623, Z93023, AC002350, AC006960, AF003626, U89335, AB014078, AC004382, AL031588, AP000503, AC007151, AC005288, AC005369, U47924, AC007546, AC004934, AL035495, AC007384, AC006512, AC005525, AC005696, AL07858I, U07000, AP000555, AL121603, Y18000, AC005057, AC005829, AC006344, AC004622, AC005695, U80017, AL109865, AF196971, AL022718, AF03906, AC005237, AP00045, AC004129, AC007201, AC002306, AC000417, AC006965, AL031678, AL031681, AC007308, AC004448, AC005291, Z99716, AP001053, Z93930, M30688, AP00213, AC006101, AC00769S, AL03454, D87675, AL010770, AC004097, AL133353, AP000135, Z95331, AC004983, AL021155, AC005525, AC002558, AL022330, AF207550, AC005822, AL031587, AC004234, Z83326, AC004031, AP000104, AP001052, AC000025, U95739, AL031311, AP00047, AP000558, AL08730, AD000813, AL133245, AL049643, AL08024B, AC005527, AL022329, AC005899, U91319, AC005006, AC004520, AC004491, Z98742, AP00063, AP000030, AP000031, AL133448, AC007051, AL121652, AC002996, AC004032, AC005399, AC005071, Z68321, AL109758, AL05031B, AL021808, AC000085, AL031659, AC005257, AC005089, AC007919, AL004216, U95740, AC006487, AL022313, AC005005, AL035358, AC006468, AP00031, AC005412, AL117258, U57833, AC004812, AC004813, AC004084, AL008631, AC005632, AC005031, AC006251, AB023050, U22028, A47886, AC006211, AC00898, and AP001549.
HTSAA20	7179	836021	1-403	15-417	AG32021, A152132, AL468255, A147308, A124284Z, R67081, and AI635775.
HTOIZ05	7180	869900	1-496	15-510	AA295823, and H163678.
HTOIV25	7181	456941	1-346	15-360	R68381.
HTOIT60	7182	740599	1-291	15-305	T84775.
HTOIN69	7183	869925	1-474	15-488	AD84640, AI755214, AI754567, AL046409, AI963720, AI33443, AA602906, AW341903, AW193265, AI270117, AW021917, AI590458, AL079645, AA491814, AW020088, AI962030, AI250552, AI244127, AW049099, AI613280, AL044657, AL350211, AI733856, AW023111, AI251284, AI251034, AI251203, AI284543, AW275432, AI254770, AI281881, AI874341, AA622801, AW406755, AL037683, AI246796, AI926728, AI431303, AI366555, AA525807, AA651632, AW237905, AI064918, AI925579, AI061313, AI354423, AA653139, AI267269, AA704393, AI249853, AI609972, AW270385, AA502985, AL119649, AW276435, AA747757,
HTOIM95	7184	795719	1-494	15-508	AW328000, H07953, T74524, F36273, AI345681, AI044940, AA601376, AA519905, AL031295, AC007225, AP000692, AC004890, AL049694, AC002300, AI031120, AC006285, AL035405,

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HTOIL36	7185	866492	1 - 1665	15 - 1679	...	...

AI862802, AW069769, AW023111, AI791659, AW272294, AA618412, AW274349, AW327673, AI929825, AW021917, AW084445, AI929298, AA662912, AA652914, AA515351, AI114557, AI635028, AL079645, AL037027, AI635440, AW338370, AI889426, AI636745, AA515639, AI832865, AA742815, AI890324, AA020873, 283844, AC006211, AL035659, AL036502, AC005031, U80017, AL109628, AC005089, AC000353, AC006480, AF053356, AC002310, AC004491, AL049569, AF196779, AC005520, AC005049, AC005081, AL133448, AF03458, AC007536, AL022238, AC004019, AC007686, AC007151, AF111169, AL034420, AC007201, AC005015, AC004913, AL021155, AL096701, AP000555, AC005102, AL031311, AC005412, AL050318, AC004483, AL080243, AC006235, AL034423, AC005695, AC005225, AL121658, Z84466, AC004816, AC004494, AC005484, AC009516, AC005548, AC005529, AC005071, AC006130, AL121653, AC005231, AC005037, AC016025, AC002059, U85195, AF94555, AC010205, AC007308, AC005971, AP000501, AL022330, L78810, AL02476, AC005480, AC006013, Z86090, AC005527, AC002549, AL022336, AC005585, AC002996, AP000557, U95743, AL022163, AC005839, AL023807, AL096791, AL050307, AL021707, AB00658, AC005722, AC005193, AC005531, AC006942, AC004832, AC007371, AC006277, U91321, AC004821, AC002350, AC006449, Z97116, AC007227, AC006530, Z85986, Z97053, AC004084, AC006071, AL031680, AC007664, AC006014, AL035420, AC007676, AC006511, AC004796, 295116, AP000359, AC008512, AL008582, AC007216, AC004812, AC004678, AC000025, AC003101, AC003474, AL020997, AC007387, AC004477, AC002544, AC005696, AC004099, AC004890, AL009181, AC003070, AC005274, AC004967, AC006538, AC005778, AC004125, AC004901, AL109758, U95740, AF205588, Z97630, AL109758, AC006388, AL049839, AL054084, AC006011, AC005920, AC005261, AL03548, AJ246003, U91326, AP000553, AC005898, AC007053, AC005694, AC004895, AC002347, AC005180, AC004887, AP000092, AP002395, AL035458, AC002565, AL035072, AC002551, AC005874, AF134471, AL034549, AP000211, AP000158, AC002301, AL031985, AC005011, AC006312, AL133555, AC005800, AC005108, AF001549, AL049776, AL035086, AC003043, AL133382, AL022721, AL035071, AC005318, AC024507, AL117258, AC005086, AC007666, AC006121, AL109801, Z93017, AC022347, AC005703, AL021391, AC004675, AP000030, AC005599, AL121603, AC005209, AC002316, AC007166, AL080242, AC004253, AC005803, Z85987, AL049766, AP000134, AP000212, AC005742, AC004000, AC004560, AC002558, Y14768, AC007934, AC005468, AC002314, AL031295, AL008718, AC002492, AL109798, U62317, AP000117, AP007021, L44149, U95742, AC007546, AC006040, AC004834, AF001548, AC005088, U47924, AL035460, AL050149, AC006323, AL049872, AC005871, AF031078, Z84480, AC004383, AC010029, AP000045, AC006006, AC006905, AC012627, AL009183, AC004447, AL031005, AC002126, AF030876, and Z98884.				
H48690, T80384, AA040129, F08300, AW371619, AW371614, AW371634, AW390107, Z93784, AF119662, and AL050282.				
HTOIF70	7186	457041	1 - 459	15 - 473

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HTOJB05	7187	932423	1-455	15-469	N90622, and H85692.
HTOIZ49	7188	586144	1-399	15-413	T96088, T90652, and AC004143.
HTOX57	7189	735004	1-327	15-341	W87719.
HTOIQ30	7190	584928	1-393	15-407	W69857, AA552546, AA029444, W69750, AB023154, and AF086290.
HTOIL74	7191	765840	1-553	15-567	
HTOIK90	7192	557829	1-401	15-415	AL050305, and AL031007.
HTOIJ84	7193	783212	1-486	15-500	H03759, and R72987.
HTOIH68	7194	753595	1-428	15-442	T48180.
HTOIH09	7195	961168	1-176	15-190	T20251, and AC005071.
HTOIF08	7196	959992	1-560	15-574	H42823, W39164, N41131, and AF146689.
HTOIA89	7197	787088	1-479	15-493	H63865.
HTOIA82	7198	844319	1-401	15-415	H04212.
HTOHZ59	7199	869950	1-504	15-518	AA132611, AA225871, and AL035697.
HTOHX62	7200	537358	1-254	15-268	
HTOHT93	7201	791459	1-427	15-441	AA284052.
HTOHR03	7202	924976	1-591	15-605	AI341328, AW274848, AI63817I, and AI992100.
HTOHN89	7203	956264	1-415	15-429	W91885, and T98858.
HTOHI14	7204	659280	1-486	15-500	H19673, H41120, AI793195, AI744281, and AL121754.
HTOHFH78	7205	963216	1-2033	15-2047	AA14556, AA146625, AA284640, AL046409, AI613280, F36273, AI281881, AW193265, AI610159, AW637720, AI431303, AW276827, AI530211, AA720702, AW419262, AL048925, AW301196, AW273349, AI534443, AW301350, AA491814, AI619997, AI085719, AW021583, AI610491, AA823704, AA513141, AW270270, AI149478, AA581903, AL119691, AI499503, AI068846, AI471481, AW406447, AW265009, AW073470, AW029038, AA649642, AW193432, AI061334, AA843450, AI613345, AI053672, AW338806, AW162049, AI929931, AI754658, AW406162, AI610376, AI679782, AI962050, W79504, AW072923, AL044940, AI434706, AI305547, AI553206, AI168185, AI865905, AW089322, AI339850, AI110770, AW406755, AI590958, AI131164, AI148277, AL138265, AL046205, AI341664, AI471572, AA159978, AI046898, AA758934, AI570261, AI685198, AW088616, AA493708, AW169136, AI590689, AI289067, AW162489, AI732186, AI246796, AI754955, AL048626, AI367497, AI633390, AI58229, AA521323, AI049722, AI358343, AI653886, AI871722, AI860020, AW166815, AL083785, AW088058, AA598386, AI571512, AL138455, AA679124, AI674873, AI918421, AJ242310, AI055938, AA601233, AW022379, AA126051, AA126035, D82290, AW168342, AJ242406, AI025100, AL122646, AI121476, AI918398, AC004963, AF077058, D83989, X75315, AF015152, AF015151, X54175, X54178, U57059, U57007, X55925, U18394, U18391, U18392, U57006, U57008, X55550, U18393, AF015157, X54180, I51997, U18390, U18396, M87919, X55923, U18387, X55931, U57004, X54176,

| HTOHG68 | 7206 | 964961 | 1 - 465 | 15 - 479 | U02532, AF015160, AC005529, AF015167, AF015148, AF015149, AL031346, A39972, S75201, M87916, AF015155, AL023882, AC005815, AC006292, U12580, X88791, U67233, AC006206, AC005250, AC006012, AL050348, AC007390, AC000025, AL230052, AC005527, AR042836, AL121653, AL050097, AC005696, AF190465, AC000092, S43650, Z49816, AC004582, AC004383, AC007792, AC003664, AL121591, AF023460, AL031293, AP000552, Z13970, AC006138, AC004470, AC003103, AC005412, AL110292, U67827, Z69666, AC005737, AC000028, AC002564, AC004940, U02531, AL033527, AP000047, AL133399, AC004941, L81648, AF147439, AL096767, AC003119, AC005484, Z73988, S75337, AF010238, AC007695, AF015170, AC004040, AL050347, M87917, AF078904, S70707, AC006277, AC007358, AC004650, AC007666, U67222, AC004931, U72787, AC009946, AP000557, AC007686, AC004755, AL022330, AC004799, Z93928, AL008709, Z85997, AP00115, AL01058, AC005231, AC005916, AP000298, AL096861, AC002429, AC008168, AB020859, AP001116, AL035089, AC006071, AL117256, AL008728, AL121603, D86999, AL049557, AC004662, AC006512, AC005368, AL031685, AC006077, AL031670, AL080243, AC005531, AC004987, AC007298, AC002364, Z84490, U11309, AC005913, AC007043, AC005603, AL034341, AC006251, AC004148, AC004016, AF035907, AC004019, AC005563, U95740, AL020993, AC004638, AL021453, AC008115, AL096771, AC007682, Z68881, AC006273, AC007228, AL049875, AF001549, AC004622, AC007099, AL031391, AC003045, AF020503, AL049767, AL049562, AC149174, U67225, AC000066, AC000118, AL109853, AL078644, AC004626, Z82210, AF091913, AF077605, AC004449, AL078593, AC006213, AC000355, AC002543, Z69917, AL049677, AL090630, AC005740, AC010168, AC009479, AF184110, AC004434, AL032575, AC004099, AC005775, U49740, S70694, and AL049795. AA757866, AI700109, AW419262, AL118991, AH31303, AL120086, AA493136, AW022608, AA588001, AW263415, AI537772, AA081462, AA515334, AI369580, AA908687, AA568869, N54894, AI963221, AA618452, W01230, N49368, AI457397, AW275971, AA497023, AL119713, AI30489, AL045813, AA613249, N35306, AI499588, AA524821, AI523316, AI285753, AL146549, AI929948, F05324, AI962874, AA550797, AA504877, AW094911, AI609464, AL021356, AC533333, H50970, AI925579, AI028498, AT73856, AC007666, AC004019, AP00036, U95740, AC004994, AC004945, AP00015, AC005353, AL031390, AC005052, AC005912, AC005625, AC004945, AL050323, AL031224, AL035072, AC004913, AC007225, AL135922, AC004497, AC005670, AL031311, AC004263, AC005789, AL034394, Z94721, U62317, AC007151, AC005736, AC002470, AC005406, AC005839, AC005041, AC007539, AC006840, AC005661, AL147398, AL117344, AC005191, AC004149, AC004227, AL080873, AC004889, AP000074, AL134695, AC004000, L78810, AL008718, U65406, AC005209, AL031680, AC007008, AC004956, AP001116, Z82201, AL031666, AC007377, AC005279, AC007685, X78901, AC004996, AC005228, AC004933, AL021528, AC006006, AC005988, AC007637, X70842, AC006369, AC005908, AC005369, AL049782, AC005203, AL049540. |

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					AC004973, AJ239322, AC004876, AL031577, AC007845, AL033377, AL009179, AC007051, AC005703, AC004820, L78833, AL049610, AC006004, AC003963, AL031276, AL049759, AC006241, AC004777, Z75388, Z75387, AC007278, AC007072, AC004842, AL035696, AL031668, AC007707, AC006530, AC007162, AC005193, AC004520, AC005785, Z99127, AP096876, AC005138, AC004895, AC004832, AP000555, AC005971, AC005544, AL020995, AC004465, AC007880, AC006050, AC007103, AC006582, AC005740, AL022339, AL050326, AJ007973, AC005764, AC003086, AC005280, AC007179, AL049873, AF027390, AL033103, AF057280, AC006344, AL033531, AC004620, AF141308, AC000028, AC004024, AC005923, AC004675, AC005728, AC002476, AP000503, AC009721, AC009516, AC011604, AF088219, AC006211, AP000511, AC007238, AC004021, U73167, U90694, AC005688, AF085442, AL031003, AC007059, AC006128, AF031074, Z92846, AL049758, AC005250, AF031078, AC008116, AC001594, AB020898, AF030876, AC004908, AL112987, AC002070, AC002059, S83526, Y07848, AC007437, AC006536, Z68193, AC002455, AF217403, Z83976, Z73417, AC005257, AC005781, AL080245, AC002078, AF003528, and AL008852.
HTOGU88	7207	558488	1 - 346	15 - 360	AM417120, AA483778, AA758129, AI367757, AC008999, AA358028, AA287676, AA479947, AA758144, AI540846, AA252123, AA227893, AA505839, AI468785, AA354625, AA282788, T89256, AA257010, AA490481, AI572545, AA188716, AI870449, AC008394, Z93022, AC003084, AL034399, AC004839, AC002349, AI203992, AC007567, X81002, AL033403, AL121694, AC007786, AC004485, AC005161, AC005297, AC005191, Z95118, AC003109, AL049563, AL022721, AC007857, AC004475, AI704668, AL035258, AP000496, AC009248, Z99511, Z68332, AL109659, AF029308, AC005189, AC004555, AL050401, AB020876, AF000997, Z92844, AC006287, AC029508, AL117375, AC005064, AL078600, AL133277, AL080312, AC007277, AI722277, AB017651, AC005588, AC004070, Z82211, AL049641, AL022310, AC007447, AC003088, AC002383, AC006070, AF194097, AL049734, AC003692, AC006050, AC008064, AC005076, Z81008, AL109807, AL079305, AP000545, AL121782, AL033822, AL123985, AL122126, AL050308, AL008722, AC007090, AC003687, AL031776, Z70233, AC007655, Z70226, AC007254, AL096862, AC007628, AC002468, AL079334, AC005062, Z94721, AL034428, and AC005922.
HTOGU78	7208	529798	1 - 195	15 - 209	H06214.
HTOGU77	7209	523533	1 - 119	15 - 133	
HTOGC91	7210	790438	1 - 548	15 - 562	
HTOFV57	7211	529614	1 - 71	15 - 185	W90433.
HTOFV08	7212	960203	1 - 178	15 - 192	
HTOFUS5	7213	732434	1 - 425	15 - 439	
HTOFT20	7214	527938	1 - 47	15 - 61	T64509.
HTOFST4	7215	765918	1 - 161	15 - 175	

HTOF018	7216	911756	1 - 2163	15 - 2177
				AI821714, AI792133, AI791913, AA610491, AI821785, AL046409, AI431303, AI345157, AI963720, AI357823, AI284640, AA680243, AI732120, AL037683, AI305766, AL037632, AW270258, AW088846, AL079645, AA634786, AI357976, AI885488, AA602906, AA651639, AI754336, AI733856, AA469327, AI270117, AI273488, AL138455, AI564185, AI061313, AI353384, AW193265, AI053623, AI054333, AI354423, AA490183, AI613280, AA653612, AA624925, AI754253, AW302903, AI635819, AI696962, AW021917, AI119649, AI755214, AA303007, AA857486, AI754653, AW103758, AI040051, AI246796, AA846935, AW189068, AW271904, AI174230, AA586661, AM45815, AW029095, AI754105, AL118991, AA622801, AV439558, AA468022, H09744, W23546, AA613203, AI919265, AA434927, AW327868, AL040054, AW131249, AA653139, AA640986, AW238278, T74524, AU506553, AA720732, AI110770, AI350211, AA347930, H05940, AL042753, AW304580, AI870197, AW004911, AT61471, AI809818, AL042756, AA507824, AA613227, AA651728, AA375710, AA572813, AW191886, AW238016, AI469968, AA192278, AI859834, AL036283, AI366655, AW028429, AL133668, AW276827, AA878817, AA833875, AA457397, AA833896, AL041706, AA602951, AI587583, AI254913, AI587565, AA665645, AW020088, AA523837, AI805363, AI623764, AW271917, AA908687, AW265009, AI038990, AI358501, AA572683, AA579389, AA573566, AI133164, AI821931, AA658918, AA613345, AL121757, AC006026, AL049591, AC002055, AC007786, I66061, AC009908, AL035073, AC004914, AL078621, AC002980, AC007544, Z75407, AC008169, Z73988, AC006512, AL050347, AC003958, AC004160, AL021939, AL049875, AL031259, AL035667, AC005983, AC005598, AC005740, AC000044, Z80901, AC000034, AL021026, AC004981, AC005521, AC008124, AA040066, AL021978, AC007221, AF029308, AC004738, AL109865, Z68192, AP000080, A139054, AC005921, AP000108, AL122003, AC004887, AC007680, AP000144, AL109967, AC008069, AC002068, AC005284, AC007002, AC002115, AC006262, Z99758, AL034379, AC006283, AL031281, AL024509, AC004967, AL096701, AL121915, AC016025, AC006906, AL049776, AP000512, AI017104, AC006064, AC004890, AC007242, AC005624, AC005696, Z99716, AC002551, AC005368, D87003, AP000966, AC006372, AC016831, AL109952, AL049643, AL023575, AC002064, AC004859, AC003962, AC004815, AP000281, AC007736, AL133312, AC005519, AC007123, AC004910, AC004648, AF064358, AL035659, AL050307, AC002425, AL049646, AC005899, AC003002, AC002558, AC002310, I51997, AF019664, AC002301, AB023049, AL110628, U07563, AL035422, U73023, U57007, X55925, AC003043, AC009248, AC009396, AL031673, AC004655, AF015147, Z98200, U18391, AC005722, AC006221, AF015151, AL133445, AL121997, AC006480, AL031680, AC000026, U18392, AC006030, X54176, AI047825, AC009320, AF129756, AC004514, AF015148, AL035072, AL037354, AC005520, AL050306, X54180, U18394, AC005043, AC002053, AC005736, AC002059, AC002677, AC000003, AC007055, X54181, X53550, AP000165, AL031650, U57006, AC005772, AC004217.

HTOFC06	7217	960546	1-270	15-284	AL096802, AC012627, Z84487, AC005839, Z97196, AL112992, D83989, AL008726, X54178, AL121769, U57005, U95740, U18387, X54179, AC003684, AL022398, AC006487, AP000474, AC008012, AC239318, AP000356, AC004087, U57009, U18395, AC004841, AL035400, AC004821, AC004817, AF07058, AC006904, AC004781, U00252, AC005913, AL031229, 293017, AL035684, Z83826, AP000697, U57008, AL031587, AC005261, U50537, AL033521, AL121748, AP000555, AL034417, X54177, 296763, AL033458, AC006077, U07561, U67801, AL033258, AF117829, AL022401, AF196969, U02531, AF015156, AC005901, AP000065, U18393, AC005755, AC002996, AL078460, AC006117, AL121655, AC005668, X55926, AC005332, U73167, U90094, AC005013, AL021940, AC007277, AC006318, AL078581, AL133500, AC007536, AC008122, AC009464, and AL031778.
HTOEX28	7218	936543	1-541	15-555	AT766308.
HTOEV91	7219	509938	1-460	15-474	W67985, AI806720, AI819360, AA219394, AI743193, R72848, AW117312, H42783, AA889684, AA352279, AI952783, AI818791, AA009553, AW409898, AA282827, AA775865, AW409899, AB033018, and AF161391.
HTOET61	7220	742164	1-445	15-459	AA258041, AA290938, and AA504566.
HTOEE28	7221	685375	1-312	15-326	N56666, and AI460076.
HTODM08	7222	960113	1-388	15-402	AA143085, and AB023227.
HTODL10	7223	968395	1-407	15-421	R81985.
HTODD59	7224	738532	1-388	15-402	AA236974, AA235912, and AB017915.
HTODA31	7225	698400	1-454	15-468	
HTOCK85	7226	521944	1-339	15-353	AL043144, R96621, AJ367672, AW381823, AA904211, AI271762, AI567391, AA225100, AW103251, AJ297011, H07953, AA102737, AA554659, F13749, AA715284, AA715344, AA715527, F17700, AI246061, T47124, AA084609, AI251241, AA279919, AA122307, AA804694, AI310670, AJ349130, AA568204, AA570740, AA715338, AA483606, AA354141, AA721523, AA669185, AA302661, AI251944, AA019939, AA809807, AA420549, H54792, AA827904, H68343, AI889579, AA326904, AI620415, AA583386, AA444166, AA837715, AA584765, T52772, AI446336, F01666, AL039930, AI310787, T54783, F35902, AA598605, AA878407, AI306717, AI904944, AA719845, AA640776, AA056248, AA835889, AA078509, T70299, AA091982, N54397, AA804334, AA728911, AI613389, AA658934, AI791185, N92039, AA302982, AA577824, H62550, AW40225, AW051819, AA381762, AA658477, AI217131, AA604831, F03672, AA63565, AL135643, AW023111, AA493947, AA297664, AI821823, AA525331, AA551268, AA708753, AA557894, T40629, AI821921, AI926909, AI821076, AI184061, T50676, AW163763, AA665532, AA557982, AI683426, H86221, AI925462, AI054090, AA744048, AA092862, AW264901, H79586, AA022318, AC007216, AC005529, AF196969, AC005332, AL136295, AC007066, U95742, AC002350, AC005527, AC005488, AP000300, Y18000, AC007308, AP000030, AC005015, AP000501, AF207550, AC005231.

HTOCKT3	7227	870004	1 - 378	15 - 392	AC003665, AC008372, AC005399, AL049869, AL049540, AC005971, AC004990, AC002544, AP000503, AF134726, AC007917, AL035659, AL050318, AC005790, AL031281, AP000113, AF047825, AB020865, AC007773, AL121825, AL023575, AC005696, AC003042, AP000692, AC002045, AL035683, AC005694, AC004966, AL133448, AC004821, AC004257, AC002316, AC005212, AC005519, AL049872, AC007279, AL096791, AL049757, 293930, AC005940, AC000448, U52112, U91326, AC005793, AP000547, AC004517, AC005578, AC005225, AF129756, AL009181, AC002039, Z84487, AL049636, AC006023, AL135744, AC006057, Z98742, AL035410, AC006014, AC005581, AL022336, AL031587, AC004883, AC002477, AL022476, AC004890, AC005057, AC006001, AC004150, AP000116, Z98884, AP000689, AC016831, AL132712, AC004253, AC024498, AL121658, AC004859, AF165926, AC005808, AP000901, AP000065, AL049569, AC005786, AC005531, AC006130, AC010077, AC005274, AL021393, AC006241, AC002470, AP000356, AC004955, AC005046, AC004491, AL121653, AC005081, AC006538, AC005335, AC004796, AF001549, AC006238, AC004878, AF196972, AC004589, Z84484, AC020663, AL022320, AC005291, U91321, Z99716, AL008582, Z83823, AC004601, AC004383, AL049793, AC005300, AP000505, AL022336, AC005902, AL117330, AC005011, UC00934, Z84466, AC005778, AC005412, AP000555, M13792, AC005004, Z62293, AC000025, Z83826, AC005909, AL031284, AC002312, AL022721, AC007057, AC004814, AC002117, AC005193, AF045555, AL096701, AC005538, AC003043, AJ003147, AP000359, AC007325, AC005330, U96629, U80017, AC007225, AC005047, AL049912, AC006120, AC012384, AC005837, AC006966, AB023049, AL031848, AC005071, AL031311, AC005480, U73167, AC002565, U90094, AL031427, AL080243, AL119627, AC004386, AC004099, AC002425, D86995, AC005389, AC005049, AC006211, AL116655, AC005878, AC003101, AC007227, Z82178, AC002301, Z98036, AC005684, AC006111, AL005031, AL049766, AC012330, AC005874, AF134471, AC006312, AC004832, AP000153, AL068719, AL023553, AC008044, AC004770, AL049795, AC004223, AC002310, AP000013, AP000211, AL035249, Z82174, Z95114, AL121652, AC005913, AC004084, AC004531, AC005921, AL031257, AC007371, AD000092, AC006088, AP000250, AL021546, Z85986, L48038, AL035071, AC005067, and AC002059.
HTOCK14	7228	529958	1 - 286	15 - 300	
HTOCK03	7229	925368	1 - 111	15 - 125	
HTOCA55	7230	732469	1 - 384	15 - 398	293784.
HTOBE60	7231	742315	1 - 457	15 - 471	T98484.
HTOBC63	7232	530283	1 - 176	15 - 190	
HTOBC26	7233	870011	1 - 245	15 - 259	
HTOBA33	7234	965151	1 - 606	15 - 620	AA262379, R45037, AI745363, AI224135, AI127213, AI417634, AI804049, AI167433.

HTOAT88	7235	530183	1 - 398	15 - 412	AA628575, AI184931, N56935, AI097606, AI273694, AA486333, AA678824, AI553928, AA769706, AI422919, AI217459, AI168272, AA190885, H18297, AA190987, AI422758, AA223215, AA854070, H79768, D59304, AI086281, AA062812, AI142579, and AL034553.
HTOAT81	7236	530185	1 - 217	15 - 231	T90102.
HTOAT68	7237	530187	1 - 304	15 - 318	
HTOAT66	7238	530188	1 - 344	15 - 358	
HTOAT63	7239	523754	1 - 365	15 - 379	
HTOAT57	7240	870017	1 - 114	15 - 128	
HTOAT50	7241	723595	1 - 335	15 - 349	
HTOAT43	7242	529840	1 - 122	15 - 136	
HTOAT35	7243	521914	1 - 204	15 - 218	
HTOAT28	7244	530191	1 - 403	15 - 417	
HTOAT27	7245	682115	1 - 386	15 - 400	AC004928.
HTOAT06	7246	960581	1 - 227	15 - 241	AW406283, AA481083, and AA334330.
HTOAO63	7247	745545	1 - 653	15 - 667	T84893, and AC007681.
HTOAO01	7248	921744	1 - 351	15 - 365	H00926.
HTOAM08	7249	960122	1 - 292	15 - 306	AA412441.
HTOAL84	7250	783261	1 - 107	15 - 121	H63922, AI080109, and AA410506.
HTOAK39	7251	709579	1 - 479	15 - 493	T73359, and AC005776.
HTOAI51	7252	529553	1 - 275	15 - 289	Z83848.
HTOAI25	7253	529556	1 - 347	15 - 361	
HTOAI15	7254	529557	1 - 293	15 - 307	AL031259, and AL132641.
HTOAD05	7255	932732	1 - 364	15 - 378	AA120896.
HTOAA73	7256	764707	1 - 430	15 - 444	T91665, and D44743.
HTINX95	7257	795376	1 - 494	15 - 508	R17461, and AA614012.
HTINT65	7258	771995	1 - 597	15 - 611	AA031753, AI953410, AI273879, AA486535, AI970601, AI804913, N71976, AA252687, AW022153, T95753, AI189228, D58604, R06245, AA478086, AA620519, AI374732, C16129, AA737971, AA043942, H02570, AI359851, AA423638, I52318, AI858710, AA503361, AI420960, AA135778, AL037668, AW151753, AI346020, AI051129, AV440638, AI768841, AA450210, AA399154, AA610484, AA758319, AA865564, AA528037, AI914093, AA575822, AA045559, AA551664, AW000772, AA728996, AI261994, AI431974, AI002695, AW264165, AA571504, AI864825, AA419538, AA422333, AW237522, AI590661, AI346915, AW073186, AI952777, AI424070, R76870, AI094960, AA039924, AI983928, AI337380, AA15734, AA366382, AI687114, R99970, AW024883, AA481014, AI719088, R23164, AI758843, R91051, D20914, R76869, H03271, AR025595, AR025400, AR025410, AR025393, AB011145, AR025403,

HTIMNFI1	7259	966217	1 - 786	15 - 800	AR025409, AR025399, AR025414, AR025398, AR025415, and AR025406.
HTIMZ89	7260	973076	1 - 372	15 - 386	AA746300, and AC006274.
HTIMU86	7261	870312	1 - 594	15 - 608	AA279274.
HTIMQ90	7262	974496	1 - 210	15 - 224	AF128525.
HTIML71	7263	759890	1 - 457	15 - 471	AA250886, and AC003042.
HTIMF56	7264	733444	1 - 469	15 - 483	N33555, AI400762, and H96299.
HTIAE78	7265	773609	1 - 390	15 - 404	AL022237.
HTIAD50	7266	724438	1 - 307	15 - 321	R06826, and W60035.
HTIHDS08	7267	753137	1 - 538	15 - 352	I78116, R96198, AA82604B, AW161016, AI337065, AA593462, AI635819, AA482794, AW023511, AI002966, AA339592, AI610607, AI117354, AC007327, AL080277, AF067844, AC004901, AL049869, AL049776, AC004000, AL034423, AC005288, U81833, AC002350, L78810, AI109627, AC002470, AC002312, AC002364, AC005808, AL022578, AL109801, AL021807, and AC005251.
HTIHDR27	7268	578830	1 - 654	15 - 668	H58694, and AA676340.
HTIHDQ05	7269	932174	1 - 289	15 - 303	
HTIHDM10	7270	964906	1 - 399	15 - 413	AI500356.
HTIHDL30	7271	578894	1 - 416	15 - 430	
HTIHDJ93	7272	792443	1 - 540	15 - 554	AA460795, AA460376, AA779701, and AA460360.
HTIHDF13	7273	490673	1 - 604	15 - 618	
HTIHDEB3	7274	516372	1 - 400	15 - 414	
HTIHDC07	7275	953604	1 - 521	15 - 535	AA535817.
HTIHCV69	7276	973309	1 - 329	15 - 343	AA523829, AA662017, AA652348, AI270360, AC005822, AL049635, AF055356, AL049636, AC007314, and AC007221.
HTIHCU42	7277	578861	1 - 346	15 - 360	T06598, AW304536, AA643451, AI521525, AA643441, AI926102, AI537368, AW020150, AA877992, AA302979, AA995189, AI061468, R82650, H59173, AC005037, AC006285, AC005871, AI122023, AI122003, AC007686, AC004003, AI031255, AC005288, AC002477, AF117829, AI049694, Z94044, AI121658, AC005531, AI022240, AI109798, AC006482, AC009248, AC002350, L78810, AC005829, AI020995, AC005747, AC004963, AC007226, AC005067, AC006075, AI022320, AI049872, Z86090, AF134726, AC006312, U63721, AC005666, AC006006, U47924, AC004560, AL031311, AL031680, AL133163, AC002367, AF196779, AC006480, AL109758, AC004975, AF111168, AL080243, AL122020, AC005048, AL121603, AC006318, AP000305, AC002492, AL049869, AP000510, AC005922, AP000047, AC007546, Z69890, and AP001053.
HTIHC072	7278	578758	1 - 374	15 - 388	AL049835.
HTIHC045	7279	722029	1 - 147	15 - 161	

| HTHCK89 | 7280 | 694051 | 1 - 604 | 15 - 618 | AL036665, AL042373, AI923052, AI754170, AW006412, H07953, AI687343, AW026305, T74524, AI421950, AI419337, AW272815, AS81903, AS81903, AS810505, AI361090, AA579419, AV270385, AI369580, AA714284, AW275971, AI613389, AA602906, AI889440, AI113083, AW068596, ALI18991, AI583252, AA483256, AA643770, AW338055, AW338021, AI469599, AA916430, AS70740, AW238278, H73550, AI753672, AW021583, AI609972, AA683069, AA449979, AI753488, AA534047, AW189068, AI275982, AI042753, AA719073, AW265688, AA455483, AA515728, AA164955, AA937809, AI040051, AI755202, AA622801, AI066646, AW021917, AI755057, AI890324, AA226153, AA635433, AI345634, AI042756, AI047349, AW106238, AI049925, AA687730, AW084445, AA568204, AA649642, AI306232, AI251576, AA714011, AI708809, AA557945, AA668148, AI821714, AI792133, AI791913, AI045813, AA832016, AA515351, AI491765, AA483256, AW274191, AI889579, AW237905, AW023975, AA805841, AA504818, AA315361, Z99754, AS85195, AB000658, AI011930, AC006252, AC005377, AF165926, ALI32777, AC005261, U85195, AB000658, AI011930, AC006252, AC005377, AC005082, AL021707, AL049760, AC007435, AL020997, AL133445, AC00647, AC004885, AC000025, AF047825, AC005527, AC002472, Z93244, AC005529, AC003108, AC007055, AL031589, AC006312, AC005399, AC005736, AC005971, AL050318, AP000346, AP000114, Z83847, AC005519, AC007786, AC007731, AC004526, AC006077, AL035422, AL022312, AC005330, U78207, AC005006, AC007312, AC004526, AC006077, AL035422, AL022312, AC004805, AC006241, AC007226, Z82206, AC005544, AF064861, AL022323, U63721, D86995, AL031681, AC007938, AC004755, AL031311, AL031283, AC004653, AL022274, AC005484, AC005907, AC005005, AC007664, AC002310, AC005529, AL031295, AL034548, AC005624, AP006208, U47924, Z83308, AC066449, AC007225, AP000556, AL121825, AL022320, AP000255, AP000671, AC008125, AC006111, Z98742, Z85987, AP000042, U60060, AC002404, AC007652, AC005274, AC004000, AP000510, AC010077, AC003043, AF207550, AL024498, AC005088, AC005943, AP001052, AD000092, AC003962, AL033527, AC005776, AL035088, AC005666, AC004842, AC005207, AL035071, AP000135, AC003029, AC005067, AC005940, AC004491, AC007151, U62292, AL034423, AC002070, AC002430, AC003101, AC006023, AP000031, AC007193, AF196779, AC002314, AC005200, AC005015, AL109758, AD000812, AC004913, AL049780, AL035555, AC016025, AC003007, AC007384, AC003684, Z98036, AL035697, U95740, AL022238, AP001549, AC005694, AC004253, Z84469, AC005511, AL023284, AL034420, AC002429, AC005057, AC004408, AC04156, AL049643, AC005412, AC000353, AP000558, AC006088, AC004983, AF165176, AL031432, AC004477, AL035587, AC000003, AF015720, AC004922, AC005921, AL133245, AF053356, AC002316, AC007565, AC004033, AL035407, AL031659, AC008018, AL031346, AC009516, AL022721, AC005841, AC002306, AC006001, AC005324, AF030453, AC007546, AL049570, AC005102, AC229041, AC021726, AC002288, AP000513, AP000359, AL079340, AL070340, AC009044, AL022322, |

HTHCG74	7281	578839	1 - 103	15 - 117	AC010170, AC007199, U52112, Z93017, AI003147, AC004590, Z83844, AP00103, AC004812, AC004796, AC005520, AP000036, AC005899, AC005071, AI109952, AC010205, AC005837, AL049710, AC007919, AL035423, Z86090, Z93023, AL109628, L78833, AC006271, Z82194, AC005264, AI109984, AC007371, AC002059, AC005993, Z93020, AC004228, AC005914, 297989, AC004448, AL023575, AC004841, AL078593, 297054, AL049569, AL035684, AL008718, U62293, AL034429, AF017104, AC006486, AF196972, AL096791, AI006997, and AA085321.
HTHBY73	7282	946168	1 - 347	15 - 361	Z43611, H64102, T35364, T29948, Z43604, and F07345.
HTHBW81	7283	519640	1 - 445	15 - 459	H03259.
HTHBW64	7284	746955	1 - 555	15 - 569	H17221, H24439, R24985, R72995, AA447349, and AA984682.
HTHBU25	7285	961627	1 - 541	15 - 555	T69517, AP000274, and AP000104.
HTHBT36	7286	458387	1 - 304	15 - 318	AL040192, T77395, AW247555, F13355, H05582, AA143664, R12214, F08295, H06392, Y16522, AF156557, AF074953, AL109665, AL109664, AF156561, AF156558, and AF156559.
HTHBM85	7287	790305	1 - 471	15 - 485	AA233203, AA233119, AC004214, AB000880, AP000507, and AB000882.
HTHBM60	7288	739707	1 - 397	15 - 411	AA233203, AA233119, AC004214, AB000880, AP000507, and AB000882.
HTHBK64	7289	573926	1 - 311	15 - 325	AW188742, AI049955, AI267884, AW021116, AI431513, AI917132, H71678, AA578621, AI984168, AA502532, R64617, AI347603, H29914, AW245354, AI301373, AI446259, W01359, AI915081, F31811, AW162750, AA654482, AI912401, AA988600, AW023111, AA971196, N68472, AW156980, F24745, AI734837, N72717, AI961983, AI417469, AA558404, AA182731, AA593257, M87889, AL049759, AC002492, AC006965, AC002302, AC008101, AL031283, AL035405, AF047825, AL035659, AL035071, 295115, AL008715, AL049869, 298950, AL049697, Z82206, Z83338, AC005086, AC008134, AC005480, 293241, AF196972, 295116, AC006312, AL133245, AC005755, AC004431, AL022336, AL022313, AC007676, AC006480, AL139054, AC004966, AL096791, AL049760, AL049834, AC007055, AP000248, AL022320, AC002551, AP000689, AL031848, AP000252, AP000557, AC002314, AC007688, D87011, AB016195, AC005207, AC002404, AC005231, AP000502, AL031311, AC008033, AC002477, AC008040, Z68273, AC005529, AC004216, AC005501, AC002365, AP000212, AP000134, AC002504, AL049780, Z83844, AC005544, Z84469, AC004854, AI000671, 297630, AC007308, AC005102, AC004217, U95741, 298884, AL133448, L78833, AC004883, AC003070, AP000696, U10087, AC005821, AP000036, AC004955, AC002565, AC007011, AF031078, AP000100, 294162, AF088219, AC006500, AL109865, D87675, AL049766, AC002984, AF030876, AL031594, AL031602, AC004859, AC004967, AL031281, AC005049, AC004349, AC005476, AL049569, AL049873, AC005274, AC007292, U85195, AB003151, AC000353, AC005089, AC004143, AC009247, Z84487, Z99128, AR001549, AL121658, AC002312, AC006088, AL022323, AC004876, AC007842, AC004656, AL022165, AC005580, AP000098, AC005300, AC003962, AF165926, AC002425, AC006117, AC005484, AC009721, AC008009, 295114.

HTHBK47	7290	526705	1 - 298	15 - 312	AC004832, AL050208, AC000024, AL035588, AC005520, AL031803, AF187320, AP000692, AC007263, U80017, AI137592, AC004125, AP001053, AE000658, AC006211, AC004644, AC005582, AC012474, AC005399, AL031657, AP000501, AC005924, 298749, AL121603, AC006103, AC005193, AC016027, AC006012, AC004900, AC006023, AC016830, AP000103, AP000695, AL031133, AC007685, 293244, AF196970, AL022302, AP030453, AC006368, AC000035, AL009181, AC005972, AL117344, AC004448, 297183, AF111167, AL022163, AP000347, AC004383, AL021707, AR023051, AF001548, AC003982, 293017, AL008735, AF146367, AC002369, AC005255, AC005280, AC008072, AL024507, AC002456, AF111168, AC011131, AC004605, AC007684, AC006125, AC005081, 283826, AJ229041, AC006071, AC005288, AC004760, AC009516, AL031230, AC005028, AC005409, AC006449, AP000504, AC005363, AF134726, AC004991, AC005391, AC004000, AC004675, AC006111, and AC004815.
HTHBK04	7291	925600	1 - 134	15 - 148	AA085410, AI417464, AA857673, AI277373, AI439816, AI278440, AA490602, AA480162, AL119411, AA663472, AI620992, AA657835, AA772016, AA743811, AA719208, AI051037, H79308, AA992126, AA121910, AW157005, AA865262, AI028510, AW011964, AI547110, AW328446, AI332615, AA808036, AA610313, AA079076, AI860535, AA223512, T47324, AA525423, AA857296, AI435639, AL119284, AA701119, H51538, AW105714, N94134, AA507837, AL119483, AI818505, AA442528, AA196390, W07101, AC005578, AC007263, AL133448, L78833, AC004813, AC005215, AC004517, AC02315, AC003006, AC005484, AC006449, AL031659, AD000864, AC005175, AC004476, AC003007, 298048, AC005057, AL109984, AC007686, AC005624, AC004584, AL021546, AL022316, M89651, AC003982, AC004963, AC006050, AC005356, AC005520, AC007546, U62293, 282189, AC004905, AC005632, AC000134, AC007707, 283846, AC004408, AC006251, AC007421, AC004000, AL008582, AC005089, AL022326, AC005668, AC004491, AL096763, 297054, AC005765, AC005837, AL009181, AL022318, AC004991, 283844, AC002126, AC005411, AC006252, AC002997, U95090, AL020997, 283826, AC006006, AC005280, AC005480, AC005722, AC006480, AC006509, AC005225, AC002395, AC005239, AC005088, AL023494, AL022476, AC007227, AC007151, AC005488, AC009516, AC004859, AC005094, AC003010, 298742, AL080243, L34079, AC004953, AC002492, AL096701, AF207550, AL031591, AC005940, U63721, AP000121, AC004752, AF047825, AL023807, U07561, AC006120, U95742, AP000689, AC004686, AC006211, AL022329, AC004526, AC006552, AC007283, AF053356, AD000090, AC000353, AC002394, 284469, AL135744, AL049780, AC007685, 283343, AP000004, AP000111, AC005291, AC007055, AL031255, U07000, U91323, AC006146, AC005071, AL023553, AC003026, 293017, AL122020, AL021391, AL053235, 249258, AC007868, AL049869, AL109627, AP000116, AP000053, AP000168, 293241, AF205588, AC002251, AC005252, AB003151, AL117339, AC022316, and Z98304.

HTHBBH32	7292	699557	1-577	15-591	W05248, AW137945, N75450, AI758397, AA877636, AA514763, and AW195051.
HTHBG23	7293	410319	1-331	15-345	AA423943, and AI180425.
HTHBC07	7294	954440	1-311	15-325	AA383906, AA383905, and AI143579
HTHBC04	7295	933029	1-277	15-291	AI048409, AI048408, AA383902, and AA515799.
HTHAA24	7296	575493	1-502	15-516	AA383837, AA383781, AA767276, AA214296, AA679520, FI8098, AA743374, T86730, AW193880, AA136098, AA371011, AL031683, AC004099, AC005219, AL118509, AC005874, AF134471, AL096791, AC004834, Z95152, AC005620, L47234, AL079342, AL008712, AC008044, U52112, AC004762, AI009182, AC005011, AC005899, AC004968, AC006328, AC007450, AC003086, AC003689, AC003043, AC004801, AC003037, AL049709, AC004984, AC002527, AL023807, AF001549, Z94801, Z98304, AL009174, and U93037.
HTGGO27	7297	682376	1-432	15-446	R73588, AI565226, and AF075029.
HTGGN71	7298	760059	1-507	15-521	R96968, and AL022722.
HTGGNS1	7299	870386	1-226	15-240	AA595801.
HTGFY55	7300	731360	1-127	15-141	
HTGFV05	7301	928205	1-152	15-166	AI751212, T11828, AW270451, AA642445, AA161086, AA569471, AI821379, AA484658, AA630854, AA744400, AC007226, AL050318, AC005484, AC005320, AC004876, U73167, U90094, AC004020, AC004997, AB023052, AC004659, AC005920, AC005385, AC006538, AC009247, AL031311, AC004914, AL031662, AC003957, AL049540, U73640, AC003104, AL022302, AL008723, AC005523, AP000351, AC004150, Z85987, AC009331, AC005874, AF134471, AL139054, AC006077, Z84718, AC002323, Z97988, AC005932, AC005756, AP000513, AP000008, AL031597, AP000215, AL022163, AC005317, AB023048, U80017, AL109952, Z47066, AF20046S, AP000704, AL031846, AP000511, AL031283, AL078584, AC005088, AL035415, AL109758, AL078463, AC002559, AC004148, AC005193, AL049839, AC007242, AF117829, U6I293, AL031403, Z95115, AL024498, AC006060, AC003009, AC002073, AC005919, AC005666, AC005212, AC002059, AL035450, M17262, AF069291, AC006536, AC006296, Z85996, AC000066, AP067844, AC000379, AL133355, AC004991, AC005844, AL031848, AC002367, U63721, AC005057, AC004655, AC000025, AC004237, AL031666, AL022323, AJ010770, AP000359, AL022324, AC005899, X74558, AL049548, AC004531, AC004950, AL050348, AC003688, AL109827, AF196969, AC004895, AL021579, AL031659, AC007686, AP000251, AC002312, AL031432, AL109853, Z93023, L77570, AC004891, AC006441, AC005487, AC007324, AC002039, AC008101, AC005258, AC006571, AL035086, AC004098, AC018633, AC008079, AC002449, AL133448, AC004167, AL049743, AC004687, AC011362, AC004253, AC004491, AC003965, AC000045, AF111167, AC005527, AC006047, AP001058, AP000348, AL133246, AC000353, AC005207, AP000030, AC004856, AC005914, and AL109798.
HTGFK70	7302	756534	1-476	15-490	AA195709, and AI381482.

2280

HTGEY89	7303	786057	1 - 434	15 - 448	AC005076.
HTGEY40	7304	711177	1 - 420	15 - 434	AA252452, AA465260, AI368114, AI803768, and AA678077.
HTGEX10	7305	963862	1 - 1003	15 - 1017	T40848, W38648, AW103981, AA359366, AA338431, W21392, AA669416, AI564570, H96580, AA323343, T77560, H64482, W40246, AA458804, N91572, N69399, AA465021, AA364224, AI868192, AA411659, Z22602, N35250, AI561255, AI357477, AA747480, AA374705, AW440810, AA439480, AA538716, W94226, AW192297, AI566119, AL037550, W92961, AI061292, AI061134, AA357307, AI572581, AI339182, AI241372, AA876128, AA558402, R76765, AA533450, AI572564, AW316542, AI911901, AI754195, AW328174, AI246796, AA365144, AW383634, AW410086, AI818495, AW339111, AW149646, AI826716, AI978981, AA653975, AA728973, C15093, AA488746, AI273185, AA508509, F12553, AI910609, AI915293, AP000008, AC002553, AC005771, AC005783, L44140, AC009721, AL022476, AL031577, AC004955, AC005532, AC006376, AC004659, X74962, AL035455, AC004841, U62317, AC005043, AL121576, AP000431, AP000210, AP000132, AC005772, AL10998A, AC004000, AC006924, AF196969, AC005919, AP000067, AC005229, AC009509, AC005519, AC005225, AP000345, AL023284, AC004134, AL096791, AC007695, AC006501, AC001050, AC008040, AC006040, AC005520, AL096701, AF042835, AP000350, AC007052, AC005911, AC004983, AL050310, AC005015, AP000248, AC004020, Z83840, AL022316, AI239325, AL031276, 297832, U73479, AB020669, AC002470, AL031289, AC002430, AC004686, AL035415, AL031594, AL049776, AC005484, AC007384, Z98304, AC003950, AC005231, AC002565, AC008015, AC005081, AC004504, AC006367, AC005808, AP000501, AC004799, AC006965, AL121934, AC005320, AC012627, AC007666, AL096678, AC002996, AC002395, AL034421, AL035683, AL031283, AC005678, AC006273, Z85987, U15422, AC006071, AC005391, AL009175, AL022329, L48038, AC000026, AC002559, AC005007, AF146367, AL009031, AC002326, U19759, Z84480, AL034417, AF017104, AC002336, AF117829, Z86090, AC007226, AC004966, AC006312, AF001550, AF108083, AC004033, U95740, AL031665, AC005253, AC005531, U007398, AL035587, M27132, AL049766, AC002059, AC005280, AP000227, AL035658, AL024498, AC005057, AL133382, AC005899, AC008127, AC005288, AL080243, 286061, AI006996, AL035447, AC007030, Z98048, AP000557, AF124523, AC006011, AC005005, AC006088, Z98745, U07562, AC005620, AC004693, AL121603, AL035668, AL031848, AL031657, AB026898, U78027, AC005332, AC006141, Z82171, AC004685, AL133241, AC007542, AL031282, AC006948, AF118808, AF165142, AC00462A, AL135747, AC006116, AC007358, AC005104, AL035422, AC003007, AL121734, AC004381, AC002418, AL121694, AL022165, AL023283, Z99716, AC007193, AC005786, AC00602A, AF069291, AC007878, AF190465, AC004531, AL035420, AC005304, AC008038, AC005684, AC004834, AL080277, AC008498, U62293, AC004953, AF118086, AP000100, AC006285, AC004814, AC005387, AL132716, AC006001, AC005971, AC007688, AL049843, AL034379, AC004884.
HTGEX03	7306	923445	1 - 355	15 - 169	

HTGEU48	7307	721660	1 - 434	15 - 448	and T39860

T94971, T95021, AA501450, AA083328, AI904944, H86416, AA493789, AI817230, AI241637, N68449, AI264579, AI446127, R49266, AA747337, AA972523, H63953, AW151870, W61253, N73203, W26972, AI018726, AA506774, AI188049, AA078509, AA623565, AA683091, AA250406, AA215585, AA574098, AA047849, AI679221, N47855, AW327852, AA806089, N52323, N33851, AA302557, W76645, AA713779, AA133013, AI733856, AA342166, AA827080, AI254781, AA553404, AA323532, AW019995, AW069227, H57324, AW086117, D53046, AA484651, AI025930, AA837323, AI634187, AI207582, AA614647, AI457313, AI933111, N83628, N59744, AI472973, T62955, AA459250, AA371410, AI25114, AI492780, AI820553, D51877, AA317714, AI821342, C14966, AA225548, T65972, AA38491, AI669589, D51927, F17537, AA854782, F34465, AI348944, T06876, D56450, AA551030, AA351893, AA598605, AI885465, AA583579, AA811150, AA862312, R81453, AI969106, AI904594, AI288033, C14627, N70449, AI368862, AA484022, C15184, F33126, C15504, AI904586, AA513189, AI283938, F27229, C14796, AI039761, AA226357, AA46892, AA226356, AA708263, AI859744, AA525517, AI872229, AA434078, AA583568, AA719316, AI889426, AI138299, AA468997, AW008184, AC049061, AI031577, AP000303, AP000046, AP000114, AL080106, AC007041, AF064866, AC005484, AC005737, AB026899, AL049743, AL031428, AC004966, AP000500, AC003994, AC003693, AL121653, AL022320, AC004230, U52111, AC005406, AC002477, AC004703, AL022356, 294055, AC002107, AC002106, AL049849, AL031433, AC010722, AC008072, AC004893, AC003711, AC007207, AL022163, AL031291, AC004707, 293020, AC004972, AL035066, AC008124, AP000322, AP000053, AP000168, AP000121, AL031387, 278421, AL040991, AL035634, AC005559, AL022322, AC004028, AC005208, AC004478, D64108, Z30952, AC004234, Z15407, U91320, AL034400, AL027719, AL023284, AC005082, AF001550, AC04765, AC005391, AC006255, AL080278, AL034420, 293017, AC006947, U82083, AL109616, AC006962, AP000221, AP000065, AC006146, AL034379, AC005164, AC004876, AC002509, AC006011, AL031427, AC002091, AC006511, AL132987, AL035088, AC003004, AL121915, AC005300, AC004865, AL035089, AC006946, X06292, AC004388, AC003004, AC003987, AC004790, AC006081, AP000251, AC004764, AL021978, Z81364, AP000094, AL035681, AL049635, AP000116, AP000049, AP000030, AP000212, AP000134, AC009245, AL035694, AC002115, AC006539, AC002468, AP000239, AL031295, AP000311, AL133137, L47234, AC005011, AC003084, AC002350, AL117355, AC006538, AC007684, AC005015, AC004817, 784487, AC006276, AC005255, AC003662, AP000087, AC005006, AL031282, AC006541, AC005081, AF10691B, AC007447, AC005837, AP000356, AC005089, AC016025, AP000113, AP000045, AC005213, AC004910, AL031767, AC004972, AC004664, AC004491, AC002365, AL121658, X82877, AL034418, AC003093, AC005393, AC004547, AC006001,

HTGEG89	7308	786665	1 - 438	15 - 452	AC007934, AL133448, Z76735, AC007878, AL040699, Z98950, AC003030, AL022311, AC004031, AC005057, AL135745, AC008044, AL096791, AL079342, AC005520, AC008015, AL133163, AC006536, AC003101, AC002302, S75311, AC007773, AF065534, AP00277, AL008735, AC004209, AC006130, AP000037, Z98026, AL020993, AC002072, AL034402, U91327, and AL053665.
HTGEG17	7309	662369	1 - 557	15 - 571	AL699670, T87005, AA682585, AI247728, and AA703305.
HTGED13	7310	656504	1 - 451	15 - 465	AW138672, R01026, AA807185, AA281859, AA281778, and AC008116.
HTGEA37	7311	908606	1 - 203	15 - 217	T84646, and AC006487.
HTGDX37	7312	708877	1 - 531	15 - 545	AI040940, and AF129512. W95076, N64844, and R92575.
HTGDX10	7313	963854	1 - 631	15 - 645	AA579041, AW238341, AI800426, N72678, H53546, H93717, AI801563, AI791718, AI800706, AI452836, H81406, H68343, AW275432, AW117860, AA676592, AI791659, AA593828, AA873737, AI500645, AT549926, T15767, D44672, AA525753, AI754293, AI570067, AA565911, AI921765, AA602971, AI567868, AW028376, AA342238, AA425924, AI654738, AW272389, N54538, AA015948, AI204309, AA653291, AA314404, AA704040, AA515728, AI619994, AA715876, AW023111, AW151761, AI243793, T40394, F29968, AW173443, AA338289, AI078409, AA484892, AI675615, AI791227, AI927275, AA468975, AT44830, AA128947, AA565232, AL120004, AA493789, AI669421, AA483075, AI354409, AA564587, AI299891, AA603502, AA878058, AI302350, AI079894, AA664126, AI969090, AA610353, AI745116, AI921706, T84117, AI431513, AA534047, AI583532, AI613389, AA572983, AI423034, AI419419, T07903, AI356440, AA701122, AI734155, AA084439, AW151247, AL079553, A065031, AI984168, AW192930, H47835, AI138262, AW089625, AW148821, AI702049, AA015934, AI358928, AI445699, AI250552, AI280227, AI284543, AA525881, H77492, AI620354, T03928, AI150934, AA055784, AI176604, AI678867, N70044, M77858, AA228778, AW337805, T47138, AW080058, AA744423, AA630854, AA609826, AW265468, AI307563, AA484298, AW051819, AA568127, AW304580, AI254770, AI205181, H09639, AA525517, AI251284, AI251034, AI251203, AI223626, AI587583, AI587565, AI249853, AI633386, AI272649, AI653525, AI378437, AC005247, AC005217, AC004887, AC012085, U91321, AC007376, AC003003, AP000350, AF108083, AC004231, AL031123, AC005914, AL008725, AC005088, AL008719, AC005668, AL035249, AL031311, AC007371, AC005180, AC005598, AC006061, AF030453, AC005486, AL035427, AC004167, AC005531, AF001549, AC005610, AC005045, AC003971, AL133642, AL109628, AC004025, AL049591, AC007363, AC010170, AC005377, AC007221, AC007284, AC004552, AC004526, AL024508, AC004217, AC006480, AC005071, AL035685, AC005094, AL021391, AC008498, AP000065, Z86090, L11910, AC005519, AC005158, AF027390, AL050308, AL133445, AL049778, AC005484, AC004148, AL031003, AL031289, Z98304, AC007842, AC007243, AC005833, AC005771, AC005065, AL080317, AC004685, AC005075, AC005004, AC004069, AC005220, AC007386, AC007381,

HTGDV61	7314	741381	1 - 569	15 - 583	AL031667, AC006368, AC006084, 297054, AC002350, AC016027, AC004929, AL050307, AC004531, AC016830, AP001052, AP000008, Z77249, AP000704, AC004865, AC002288, U52111, AJ011930, AC002351, AC005682, AC004787, AL049646, AC007878, AL109801, 296074, AF088219, AC006115, AL023876, AC004081, AL010186, AL133244, AC004659, AC004862, AL050348, AL031651, AL117355, Z93017, AC005037, Z98946, AL132718, AL12174B, AC007860, AC002300, U95743, AL035089, AL136297, AC005157, AC006356, AL117258, AC004218, AC008119, AP000355, AP000280, AC005969, Z95126, AL049780, AC008085, AL049697, AC005214, AC007382, AC005067, AP000109, AP000041, Z99570, AC006121, AP000107, AC005316, AC008038, AC002404, AC005856, AC005593, AC007021, AF031078, AC004673, AF111168, AF030876, AC004675, AP000039, AL034449, AC004859, AP000011, AP000152, Z54073, L47334, AL021166, AP000354, AC006313, AC005919, AC006479, AL034548, AL049734, AC009275, AL049631, AC004049, AC008134, AC009247, AC002420, AC002454, AC008372, AC003687, U95626, AC002044, AC005225, M26434, AL096678, AC016025, AC004966, AC007736, AC004687, AC004817, AL009175, AC005538, AC008044, AC006449, AC006965, AL021528, AC004992, AC006390, AL109847, AC003071, Z82195, AL049869, AL021940, AL136168, AC009248, Z98950, AC005516, Z94056, AL033494, AC007253, AC004842, AC005520, AL035422, AF130043, AL009179, AB026898, AC007161, AP000515, AC004383, AC005192, AJ001067, AL023803, AL022067, AC007151, AC005881, AC015853, AC004814, AC007731, Z74739, AC008055, AC018767, AL121757, AL031228, AC007731, AL008639, AF179633, AL035079, and AC004884.
HTGDV52	7315	796065	1 - 933	15 - 947	AA007619, AA251883, AW449640, and AW362295. AW301087, AI824945, AW249930, AW410790, AI628800, AW166795, AW273211, AW135164, AI332400, AA823630, AA633304, AW237676, AA902230, AI76293, AA071494, AI659072, AA091356, AI478386, AI824929, AA541660, AI910688, AA970800, AW027494, AA866063, N89610, H23449, W28238, AI918250, N71802, AI206505, AA082316, AW41087J, H29625, W92152, AA838964, AI871968, AA678363, AI207283, H99870, AW135165, AA889903, R38069, W76376, T07656, AA720531, AW409667, AI420132, T17353, T10656, AW173167, AI858210, AI380828, AA203347, N62165, AA019630, W92151, AA019449, AW050420, AI269983, AW090725, AI651789, AW245570, AA017312, W22870, AA831409, AW410789, H42569, H42668, AI333511, AF052137, AJ221669, and AI032065.
HTGCQ86	7316	784676	1 - 523	15 - 537	R91710, R06722, and AI248214.
HTGCH60	7317	895628	1 - 715	15 - 729	AA661921, M77914, AW021207, AI270117, AW193265, AA063173, AI284640, AI583283, C18993, AI370094, AI350211, AI370074, AA729697, AA41303, AI036031, AI732378, AI754955, AA587604, AL046409, AI751216, AI687343, AL038705, AA490183, AI696962, AW302013, AA834707, AA653362, AA303007, AA478355, AL046205, AI281881, AA828227.

AA613591, AW069769, AW269934, AI754658, AA826134, AA828771, AI860013, AA613203,
AI358571, AI613280, AI037683, AA846952, AW276435, AA847952, AA537077, AI969436,
AA720702, AA526787, AA351056, AI434137, AA526316, AI133164, AA338904, AA747070,
AI678316, AW083402, AA577906, AI824706, AA828704, AA652994, AW023429, AI634384,
AI281697, AA618452, R98359, AI744995, AI572924, AA601433, AW408707, AI362252,
AA040921, N53150, AA713891, AW103509, N27763, N71746, AI037383, AI745151, AI121235,
AA564971, AW276827, AC006120, AC007919, AC025565, D83989, X55924, X55933, U18395,
X55925, U18392, U18399, U18391, U18394, AC005484, U57005, X54179, AC006515, U04355,
U57006, U57008, X75335, AC007051, X55926, U57009, X55923, X55927, U18387, U18393,
AC005907, X55929, U18388, AL33331, AL035045, X54175, AL073624, X54180, X55931,
U67831, AC004126, AC00243?, AL035552, X54181, X54178, I51997, U67217, AF117829,
AC006077, AI67981, L47228, AC004857, L94046, AL035413, U18390, X55922, AC003085,
AC005406, AF03845?, X55932, AC005696, U57931, U6313, AC006040, AC006271, X55930, AC005046,
AL132992, AC000029, AI096776, U75951, U6313, AL035448, AL080250, AC004650, AC002531,
U18400, U67829, U72787, AU035461, Z82215, U67827, X53550, AP000017, AP000159,
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AC010205, AP000228, AL021939, AC004098, AF015149, AC010072, AC005037, U67231,
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AC006213, AC005002, AU78581, Z86090, AC007312, AC006561, AL080243, U18399,
AC007344, Z69724, AL031432, L78833, AC011604, AC006538, AL031733, AC005242,
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AC004167, AC005378, AC004832, AP000514, AC006006, AC005520, AL021453, AL035587,
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AP000108, AF015147, U67230, AP000468, AL022721, AC006350, AL034452, U08017,
AC004970, AL035425, AC006966, U67235, AC005409, U67202, U67222, AC007193, AF134726,
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AL035402, AF190465, AC002929, AC005409, AC002126, AL050341, AC000002, AC011504,
AC007206, AL079304, U67206, AI031734, AL023581, Z76735, AL121748, AC004825,
AP000037, AP000105, AC005604, AU021163, AC006004, AL022722, A91686, AC004933, Y18000,
AC000094, AC004449, AC006004, AC005603, AC02377, AF188025, AL034373,
AC007999, AC005785, AC006285, AL121823, and AL035252.

R95094, and N71584.

HTGCD55	7318	732247	1 - 665	15 - 679
HTGBS94	7319	578786	1 - 387	15 - 401
HTGBS70	7320	870405	1 - 108	15 - 122

HTGBS59	7321	739388	1-409	15-423	N49021, AC010205, and AC005409.
HTGBS51	7322	578782	1-200	15-214	AL021453.
HTGBS34	7323	576472	1-347	15-361	N46749, AI818231, AA082588, AA643801, AL046746, AA112791, AW270258, AA551181, AA174016, AA174017, AA318397, AC004695, AC003682, AL022317, AL136295, AC006374, AC005859, AL031848, 295152, AF165926, AC005037, AC005669, AC005274, AC007059, AL035398, AC002401, AL050307, Z83822, AL096791, AC009044, AC007263, AC005406, AC005066, AC005089, AC000090, AP000089, AC006084, AL034548, AC002120, AC007165, AJ006996, AL023878, AB026899, AP000350, AP053356, AP000500, AP001063, X74458, AC006388, AL030996, AC004859, AC005536, AC007406, AL139054, AP000116, AP000049, AL008583, AP000311, AL122020, AC005332, AL022165, AP000501, AC006211, AP000142, AF130043, AL132716, AC004030, AL109801, AL021326, AC000159, AC002425, AL031259, and AC004417.
HTGBS08	7324	959699	1-796	15-810	N51029, and H68078.
HTGBR52	7325	727276	1-378	15-392	R37214, H04094, AA781420, and AC004638.
HTGBN58	7326	738229	1-221	15-235	R37012.
HTGBL15	7327	660483	1-504	15-518	H64944.
HTGBH09	7328	625756	1-158	15-172	N71861, and N67954.
HTGBE67	7329	751525	1-286	15-300	AA482846, AC005152, AL121652, AC002350, AB003151, AP000688, AC005089, AC000081, AC005180, AP000495, AC005899, AC005911, AL035249, AC005154, 295152, AC000123, AF196972, AP000248, AC005924, AC005071, AL121658, AC008080, AL050034, AC007546, AL096791, AL031602, and AC007868.
HTGBE59	7330	578807	1-478	15-492	AL031657.
HTGBE05	7331	932168	1-405	15-419	N63915, AI453245, AW089866, AA557995, and AI250915.
HTGAZ86	7332	785594	1-528	15-542	R01774, and AC004985.
HTGAZ75	7333	766583	1-465	15-479	T47772, AI823594, AA552979, T95772, AI954936, AA601033, AI124830, AC005543, AB017654, AC004836, AC008080, AP000465, AC007057, AC002559, and AI239322.
HTGAY27	7334	683556	1-371	15-385	N62263.
HTGAX83	7335	781275	1-446	15-460	AA731209, AA236961, AA706202, H24953, AW161459, AW161879, AI191343, AI003797, AA936548, AA299422, AA584207, AA659832, AA666066, AW150209, AI493393, AI798407, AW157731, N34258, F31203, AA775127, C14576, C15336, AI889426, C15180, R68503, AW439724, AA226346, AL047480, AW072443, R99581, R93658, AI564215, W63553, AA297776, C14966, AL037777, AA862312, AI969106, AA609826, AI368862, C15184, C15504, C14796, AA984829, T06518, AI003245, AL046830, C14627, AL024498, AL049779, AL049697, AC007382, AC005207, AC009721, AL021155, AI092852, AL022326, AL034379, AC008015,
HTGAW78	7336	773666	1-517	15-531	AC003108, AP000350, Z93244, AC004999, AC005231, AI079342, AP000493, AC005866,

HTGAT92	7337	496307	1 - 489	15 - 503	AB020866, AF196969, AC007314, Z99716, AC005102, AC006449, AC005594, AC005197, AL022165, Z95703, Z68872, AC002559, AC002565, AP00065, AL035695, AC002563, AL035088, AC005822, AL109628, AC002133, AC000112, AC004941, AC005191, U77079, U77081, AL033379, AC005637, AP000958, AL096711, AC004622, AL022513, AC006160, AC004876, AP000310, AL109801, AP000116, AL096677, AC002425, AL022313, AC009247, AC007051, AL133163, AC007919, AL009181, AC006139, AC006271, AF116548, AC004895, AC004152, AL031255, AC004834, Z97630, AL049843, AC004916, AL122020, AL031283, AC005089, AC007773, AP000118, U95090, AC007774, AC004703, AD000092, AC005216, AC005921, AF196779, AC006132, AC002538, AF027153, Z69709, AC010077, AP000467, AF196972, AL049694, AL031588, AL035086, Z97053, Z83946, AL035664, AC005903, AC005196, AC006130, AC007368, AC007326, AL034417, AC003075, AL020997, AP000031, AC004492, AC010170, AL121603, AL031291, AC004817, AC004813, AC006117, AC004499, AC006146, AC004985, U77080, U77078, AL031662, AC006237, AC005067, AL109984, AF017104, AL049553, AC016831, AL031651, AB014540, Z83176, AL050404, AL110122, AF191069, AF096876, AC004150, AL031230, AC007993, AL021939, AP000352, AC003084, AC005783, AF116546, AL117354, AC002477, AC004801, AB000876, AC003030, AC002504, AC006597, AF124730, AC004477, AL035070, AC005666, and AC007263.
HTGAT55	7338	732248	1 - 683	15 - 697	AA213676.
HTGAT16	7339	919524	1 - 343	15 - 357	AA033990, and W78755.
HTGAT01	7340	870424	1 - 359	15 - 373	H69643, T19082, T36034, AA578092, Z44861, F08360, R18488, Z42109, R11866, T36046, R54184, Z45556, T89821, AI817899, AA772776, F06240, and AC005332.
HTGAS15	7341	870423	1 - 433	15 - 447	AA731219, and AL034418.
HTGAR44	7342	716740	1 - 470	15 - 484	N63061, and AI059423.
HTGAK39	7343	705634	1 - 412	15 - 426	T60572.
HTGAJ86	7344	783672	1 - 262	15 - 276	AA258903, and AL035455.
HTGAJ73	7345	764598	1 - 477	15 - 491	AA001630, and T99029.
HTGAJ96	7346	796541	1 - 605	15 - 619	H83056, T08052, AW373586, and AW373401.
HTGAI15	7347	870441	1 - 463	15 - 477	N75646, AA442831, N64799, AA953995, and AW298012. AA693675, AA737318, AA552885, AI674873, AA020850, AI246796, AI801701, AA160481, AI041146, AI824562, AI801591, N29933, H50727, AW270933, AA477832, AA160481, AW405299, AA458736, AA890235, AA158956, AW407578, F16274, N23896, AA916371, AW405299, AA483771, AA099612, AA121815, AW341892, F25972, F25867, T07287, AW024008, AA199616, AW236342, AA134669, AI302994, AA432814, T16427, AA182560, AE000660, AC003029, AC005207, AL031770, AC005740, AL080114, AC006138, AC006049, AF045555, AP000513, Z85987, AF106564, AL031131, AP000966, AC005900, AC005081, AL109847, AC004858, AP000959, AC007688, AL022320, AC005023, U91321, AF013592, Z68331,

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HTGAII3	7348	955227	1 - 413	15 - 427	AC006965, AC002470, ALI33011, X52851, AI012008, Z72520, L34079, AC004180, AC005175, AC004202, AC004227, Z99756, AF130247, ALI031777, AF121781, AC004856, AP000504, AB020867, AP000518, Z98036, AU022163, AC000159, AF227510, AP001068, AC007324, AF165138, AC007130, AC004998, AC004595, ALI34551, AL050318, U95740, AL122020, AC005799, AC005548, AC006016, AB021054, AC004816, AP000555, AC008079, AC005695, AC007842, AC008055, AF001549, AJ011930, AC003070, ALI035458, AP000354, AF165142, AP000952, ALI035249, AC005532, ALI035494, AP000010, L44140, AP000130, AP000208, U80017, AP000247, U49740, AC001163, AC002288, AJ013567, AC006980, AC004151, ALI008735, AC000075, AC004735, AC006930, AC005545, AC004236, Z75744, AC000041, AF165141, ALI049736, AC005156, AC004007, AC002036, AC004236, ALI033392, ALI035466, AC006525, ALI022315, ALI109611, U89337, ALI031775, AC007397, AD000092, AC005091, ALI096860, ALI008730, ALI049760, ALI096712, Y18000, AC005664, ALI03429, AC004542, ALI21653, AC002377, AC005700, ALI035684, AC005527, AC004981, ALI033381, AC006356, AC004062, AC018769, AC018767, AC005531, AC000097, AC006222, AC004053, AC005510, AC006948, AC006064, AC002059, and AC007637.
HTGAD62	7349	754052	1 - 518	15 - 532	H62611, AA031926, T10780, and 273639
HTGADI6	7350	567432	1 - 1025	15 - 1039	ALI037910, AA488746, AI859834, AI623899, ALI046409, AW406447, AI284640, AI92278, AA46322, ALI43143, AW189068, AA808263, AA814778, AA526193, AI561060, AI431303, AW402458, AA878149, AW276827, ALI19691, AW193265, AI281881, ALI445815, ALI50211, AI963720, AW408063, AI446474, AI613280, AI571512, AW265138, AA342681, T05769, AW277109, AA85729s, AI828405, AI284583, AI192631, AI334443, AI270117, AI371249, AA714956, N53150, AI921476, AA829225, ALI20976, ALI053672, ALI079129, AI708009, AA572960, T40077, AI061334, AI375710, AW271904, AI249688, F17700, AA578918, AI688846, AI471691, AW276984, AI174230, AA457685, T40612, B92629, AA814578, AW437954, AI281903, AI623720, AW192310, AI917132, AA579469, I58472, AI755214, AI754567, AI365988, AI769271, AW089810, ALI50784, AI520724, AI859946, AA501614, AA577906, AA086318, AA632845, AI160117, ALI036283, AA631507, AI590772, AI754105, ALI09753, ALI031666, AC006285, AC009501, Z96568, AC007371, AC005598, AC007032, AI977058, AC000134, AC094148, U57007, U51997, ALI079342, U57005, AC005993, X75335, AC007227, D86992, AI196779, AC002476, X54175, U18392, U18394, ALI035684, X55925, U57008, U18390, X55932, U18398, D88270, U19321, AC004257, AC002492, AC005620, AF015133, AC004831, AC005538, X54179, AC006049, AC000070, AJ011930, AC004168, U57009, AC006385, X55924, U18395, U18393, X54176, M37531, Z22650, AC005778, AC006511, ALI09628, ALI132712, X54180, U67801, ALI01257, X54177, Z93341, ALI02353, ALI22320, AC003107, AC006537, AC008275, ALI096701, X55926, AC002344, ALI96774, ALI17352, X55923, ALI050338,

Code					Accession Numbers
HTGAD05	7351	932378	1 - 359	15 - 373	AF141308, AP000689, AC006040, AL096791, AB022785, AL035071, AC007676, AC007167, AC004150, AL022165, AL031659, 29752, AC006241, AF107385, 236090, AC004814, AC004408, U18396, AL008718, AC004067, AL132992, AC016025, AC005721, AC005071, AC004386, 284814, AB023050, AC004158, AL022476, U0232, AL121653, AC002996, AC005907, U47924, AC005755, AF196969, AC008079, AL022311, AP000359, AC008394, AC009516, AC004883, AC005531, AC003109, AC003041, AC006071, AC010197, AC000094, AC002418, U57004, AC004596, AL117694, AC002549, AC004019, AC006152, AC004084, AC004895, AP00065, AC005971, AP000114, AP000046, AC132777, U91326, 284466, AL022319, AL049845, 269917, AL049635, AL135744, AC005911, AL031005, 285986, AF111168, AF196970, AF015156, AL035249, AC005740, AC00477, AC004144, AC005104, AC007216, AL031283, AL049757, D42052, AP000302, AP001549, 283340, 298048, AF104670, AL009179, AC002039, AL022399, AC005209, 274618, AF064865, AC006057, AP000045, AC008273, AC006251, AC005696, AP000193, AL031311, AC012627, AC005004, AP000503, AL031848, AP00049, M87919, AC004797, AC006463, AL079299, U67827, AF134726, AL139054, AC004894, AF134471, AC002365, AC004894, AF015151, AC002326, AL121655, AL009031, AC004002, AC006539, AL031276, AC000029, AC004061, AC004541, AL049830, AC002543, AC004859, U95742, AC005480, U62317, D87675, 283844, AC006430, AC005839, L17418, AC007312, AP001172, AC005562, AF053356, AC002347, U73638, and AC002288.
HTGAC17	7352	664513	1 - 207	15 - 221	AA136219, and AA136122.
HTGAA80	7353	574099	1 - 263	15 - 277	N32296, and AW294045.
HTGAA44	7354	574114	1 - 252	15 - 266	AA767660, T59612, H63465, AI624244, AA51953, F13808, AA078539, AW020088, AC006249, AC005377, AC007637, L29766, AC002544, AL03423, 293016, AC005015, AD00092, 298885, AL132987, AC004802, AC007540, 191326, AC009247, AC004887, AC007227, AP000359, AC004678, AC004448, AC006581, U66061, AC005102, AC005696, AL035695, AC002301, AC000067, AC006211, AC006046, AL022315, AC005484, AL035458, AC004894, AC005632, AC005595, AC000396, AL022312, AC004859, AL022320, AC006057, AL049636, AL049776, AC006501, AC004797, AC003030, L78810, AC004968, AL035086, AL034417, AC002316, AB008877, AC007056, AC005500, AC007537, AL109758, AC005071, AC005670, AC004883, AC004820, AL035423, AC006064, AC002511, AL031283, AC006463, AL139054, AC002996, AC005736, AC005291, AC005041, AP001116, AC004851, AL03420, AC006088, AC006468, AC000025, AL022336, AL049569, and AC005207.
HTDAC74	7355	765656	1 - 446	15 - 460	AA157291, T47205, T47206, and AF108459.
HTDAB18	7356	870746	1 - 1454	15 - 1468	AI935630, AI697020, AA025283, AW26846.5, AA449313, AW264405, AI378679, AI081908, AI031534, AI377811, AI275521, AI377061, AI432300, AA234506, AI563281, AW272480, AB00544, AA194935, AA42172I, AW168455, AA476738, AA449948, W36696, AA470900.

Clone	No.					Accession Numbers
HTBAB07	7357	954434	1-447	15-461		AA195534, N94923, AI435923, AA234120, AW296967, AA086243, AA292106, W37558, AI253127, AA112193, AI266499, AI215742, AA889883, W37218, AI265961, AA292105, AA479162, AA878762, AI142708, AA683553, AA410515, AI280280, AA683562, AW132000, AI301437, AW008356, AA889825, AA249058, AF045573, and AF115510.
HTBAA86	7358	785846	1-408	15-422		AA179994, AA382187, and AI049957. AA382172, AA382173, AW276827, F56273, AW193265, AW270270, AI350211, AI613280, AI114704, AI298710, AI148277, AI249365, AI284640, AI431303, AI733856, AI061334, AW162489, AW963720, AW265009, AW148792, AA857486, AI081162, AA486559, AW193432, AI049722, AI688846, AI610159, AW007789, AA084070, AI768952, AW151991, AI270117, Z85988, Z82188, AF001549, U65721, AI133238, AL034429, AI133396, AP000694, AC005921, AC004975, AL031848, AF129756, AC002470, AL031295, AL133246, AC005736, AC002117, Y14768, AF200465, AL132777, AC003080, Z95113, AC004150, AF111168, AP000555, AC004991, AL049776, AC007308, AP000505, Z83840, AP000557, AC003108, AL109628, AL050318, U91123, AC005261, AC006449, AC004804, AL133448, AC005409, AC005332, AC004534, AL031729, AC004812, AP000967, AC005962, AL031670, U62292, Z68321, AL121603, AC006057, AC000134, AC002996, AF134726, AC002288, AC005726, AC006241, AC003147, AC005015, U91321, AL021707, AC007226, AL022318, AC008372, AL031431, AC004686, AF196779, Z98200, AC005722, Z82244, Z84466, AC002073, AP000302, AP000359, AC005808, AC002269, AC002477, AL135744, AC005624, AL096701, AC004859, AL035659, AC004876, AF207550, AL049872, AC003037, AP000114, AL009181, AL034548, AC005529, AP000046, Z95152, AL031680, AC003041, AC007040, AC006480, AL049869, AL034417, AC004887, AC005180, L47234, AC007934, AC007541, AC004491, AC005620, AC004771, AL021546, AC005412, AC005081, AC007225, Z98751, AL035587, AC010170, AC002395, AL022237, AC005971, U78027, AC005207, AC007435, AL022327, AC002316, AC007216, AL035420, AC007193, AC004019, AC004814, AC004526, AC004447, AC004477, AC020663, AC004857, AC006430, AC002059, AL034420, AC004757, AC004253, AL049843, AC005516, AP000556, AC003684, AC005598, AL139054, AC004100, AC005740, AC005844, AC004985, AC006468, AC006791, AC005702, AL008725, Z85986, AL023897, AL021578, AL049539, AC005670, AC005274, AC006026, AC005320, AC005527, AF181897, AL022476, AC005089, Z99116, U07562, AC003101, Z69917, AC004230, AC006121, AC007731, AC006511, AC005300, AF109907, AL120097, AL122020, AL122020, AC006966, and AC003669.
HTAIP12	7359	969518	1-426	15-440		AA924900, AA887916, and AL096755.
HTAJD72	7360	880561	1-232	15-246		H57855.
HTAIV90	7361	973870	1-398	15-412		AC006121.
HTAJQ05	7362	930947	1-345	15-359		AA003440.
HTAIG58	7363	838701	1-495	15-509		W26273, and W28557.
HTAIF22	7364	910040	1-452	15-466		

HTAIF1	7365	965738	1 - 515	15 - 529	AB002347, and AL049843.
HTAHZ02	7366	918304	1 - 264	15 - 278	
HTAGB16	7367	870855	1 - 567	15 - 581	T85562, AW161607, and AI879090.
HTAFC92	7368	790991	1 - 406	15 - 420	R18870, H17731, R22698, AI681962, R54247, AC004882, AC004531, L91323, AC005529, Z88484, AC005544, AL133712, Z81364, AC004832, and AC008372.
HTAEV23	7369	959129	1 - 810	15 - 824	AI094883, AA476998, AA019020, AL120070, AI046807, AI042275, and D43949.
HTAEP05	7370	932459	1 - 539	15 - 553	AI125151, AI298755, AI025229, AW294401, AW292459, and U62317.
HTAEK41	7371	870858	1 - 309	15 - 323	AI132607, and AB006626.
HTAEF68	7372	753597	1 - 156	15 - 170	H20766, and AB002339.
HTADW88	7373	423065	1 - 234	15 - 248	
HTADW52	7374	537376	1 - 156	15 - 170	AL133448.
HTADO10	7375	968307	1 - 190	15 - 204	Z41228.
HTACB68	7376	753598	1 - 528	15 - 542	TP1391, AW299806, and AW299816.
HTACX05	7377	932467	1 - 649	15 - 663	W05789.
HTACW82	7378	778852	1 - 360	15 - 374	R02728, AA699715, AI052571, and AL133404.
HTABK47	7379	720684	1 - 695	15 - 709	AA004882, AA677920, W88950, AA677748, R95883, AI889377, AI687430, AA381958, AI693929, N77387, AI870875, AI937184, AI942476, AW070884, AA431317, AW082772, AA093356, AA931129, AI953855, AA828290, AI199606, AI369307, AA005088, AA889621, AI087410, N52427, AA579140, T74882, AI862944, AA994314, AA807241, AI310814, AI864552, AA740575, AA694382, AA889068, AW392436, R51112, AA804805, AA215997, AI184967, AA807932, N95470, R69182, F29171, AA431669, AA429112, AC005480, and AF132944.
HTABE12	7380	971524	1 - 246	15 - 260	AA381579, and H69131.
HTAAO12	7381	972231	1 - 707	15 - 721	AW083187, AA381398, AA367305, R50884, AW376970, AW376967, AA186803, AF123887, AF144695, and AR018794.
HTAAB06	7382	960796	1 - 373	15 - 387	AI732331, AA574361, AA381015, AA574404, AA574322, and AA584423.
HTAAA45	7383	518652	1 - 384	15 - 398	AA381161, AA381160, AA635976, AA845212, AA582554, AA528390, AA847508, AA847427, AA121777, H69089, AA484892, AA729070, F17312, AA740571, N66684, H93293, AA741403, AW151761, AA568204, AA570740, AA483606, AA243976, AA557945, H53217, F19606, AI798493, AA714011, AI306232, AI251576, AA997411, AW081303, AW189384, AA579208, AI915081, AA488419, AA862243, AA714282, AI583466, AA523695, AW274191, H66577, AA482954, AI270476, AA832145, AA635150, AA526724, H63660, R95840, AA584482, AA669407, AW089950, AA573564, AI476017, H58393, AA599080, AI223968, H19684, AA584489, AA973261, AA470567, AA574442, H60249, T57767, AI872229, H53109, N72170, AA670267, AI962030, AW337326, AI590404, AI623764, AA661590, AA610509, AA833896, N93272, AA679625, AA215470, AA833875, AA595547, AA829044, AF001177, AC005306, AC006241, AF207550, Z69890, AC004966, AI009183, AI139054, AC005730, AC006509.

HTAAA31	7384	693527	1-286	15-300	AC005089, Z83340, U95739, AD049709, AL121603, AL096701, Z98743, AF129756, AC007421, AC005280, AF165926, AC004216, AL136295, AC005529, AC000353, AC004000, AC002369, I34294, Z83822, Z82203, AC004858, U47924, AP000503, AC006441, Y14768, AP000130, AC005229, AC004019, AP000505, U91327, AC009516, AC005519, AF134726, AC007666, 292542, AC006581, AC005484, AL034420, AL040869, AF205588, Z83326, AC002401, AL035249, AC002306, 282215, AC005527, AP000215, AC005588, AL034379, AL035079, AC008116, AC004821, AC005365, AC008085, AL020997, AL034421, AJ133269, AC005768, AL050348, AP001065, Z98304, AL96791, AC007686, AC002477, L78810, AC005736, AC005180, AL080317, AC005288, Z81364, AB017602, AC003043, AL135744, AF176815, AL021391, AF064858, AC002551, AL020993, AC005703, AL008726, AC002375, AL035587, AC004967, AP000555, AC004975, AL050318, AC003104, AC005899, AC005412, L44140, Z83844, AF111167, AL133246, AL049780, AC002492, AC006039, AC007435, AF196969, AC004882, AC002126, Z81450, AC006261, AC003966, AC005841, AP000355, AC004033, AC004859, AC006088, AC005202, AF111168, AC005632, AL035684, Z99716, AC002310, AC007227, AL031255, AC007371, AC005829, AC002312, AC004039, AC005606, AC006160, AC006006, AC006511, 299714, AC004659, AL109628, AL022476, AC005565, AC005104, AC007381, D84394, AC009509, AC005011, AL031673, AC007226, AP000112, AP000044, AC005015, AP000552, AP000556, AL109963, AC006162, AC006120, AC000097, AC005393, AL035086, AC005231, AC005261, AL109798, AP000344, AC002470, AC005067, AC004491, AL080243, AC006547, AL049775, AC003109, AP047825, AC005755, AC002301, AC005972, AC000052, AC006960, AL133163, AC004814, AL078624, AP000692, AL049712, AC004905, AC012627, AL049757, AC004912, AC003957, AL008723, AC006333, AC006225, AC005225, AC003007, AC005822, AC004525, AC005146, AC004167, AC002350, AC006146, AC004895, AL133312, AC005159, Z84466, AC005057, AC002204, AP000116, 297183, Z85987, AL031284, AC005031, AC005933, AC004587, AC004125, AC006487, L78833, AC004072, AL133321, AC003684, AC005821, U80017, AC004228, AC005913, AC00003, AC006121, 269706, AC005839, S42653, AC004929, AC005696, AL021394, AC006468, AC005837, AF109907, U91323, AC005253, AL009179, U62317, AC007559, AC004531, AL109627, AC005363, AF200465, AC010205, AL022234, AL021917, AF064861, AC005409, AC005332, AC007050, and AC006388.
HT4AY23	7385	973773	1-444	15-458	AA380933, and N41495.
HT3TA67	7386	752169	1-470	15-484	AL031657.
HT3SH28	7387	508061	1-228	15-242	R56611, H06924, R25038, and AW380697.
HT3SA81	7388	589206	1-303	15-317	AI660664, AA380785, AA063001, AA740970, AH73914, AJ000553, and AF051325.
HT3SA80	7389	781631	1-339	15-353	AA77463, AA828637, AA566084, AA133596, AL042667, AL042670, T50676, AA483419, AA076418, AI635609, AA156147, AA599199, AT754170, AA557945, AI56834, AW069412,

| HT35A71 | 7390 | 766391 | 1 - 402 | 15 - 416 | AI431513, AA225795, AI223968, AA088610, AI538236, AI370470, AA015948, R67038, T10218, AI791659, AI307563, AA515728, H81406, AI283821, N94342, N29936, AW272740, AA613761, AA864426, AA632765, AR11201, AW238341, AI434037, AI079894, AA570943, AA262691, AW161016, T34066, AA719564, AA779783, AA079421, AI969090, AA13293, H55346, AA711769, AI35424, AA280509, AI567676, AA572983, AA019068, AI080732, AI049701, AI963856, H72943, AI278972, AW105729, T51436, AW149241, AA676592, W69639, AA579082, AA522864, AA584756, AI053630, AP000354, U15422, AC005839, AC002310, AC005057, AC002663, AC005399, AA005412, AC006241, AL03423, AC000353, AI020997, Z83822, AC006312, AI132712, AC005972, AI121652, Z95331, AC007225, AF196779, AP000131, AP000609, AI035072, AL096701, AP000280, AP000248, AC00372, AL031595, AI132668, AP000696, AF196972, AF134726, AU023284, AL034429, AC004851, AC002302, AP207550, AL118497, AC008126, AL022238, AC006538, AP000359, AC004966, AL022330, AI049795, AC005566, AC005841, AC006270, AC004647, AC004032, AC007327, AC004099, U96629, AC005015, AL133244, AP000050, AC005081, AL022322, AI246003, AC005736, AL096791, AC007207, AC007686, AP000022, AC007376, AL139054, AP000117, AC005324, AL049834, Z84466, AC007917, AL049838, AC006011, AL021391, AL03420, AC004531, AP047825, AL049627, AP000115, AL031228, AC004382, AL049759, AL020995, Z86090, AC002347, AC006071, AC005365, AF053356, AL121658, AP001052, AL030996, AC004988, AC004975, AC007182, AC004257, AC005304, AL035071, AI080317, AC006388, D89335, AC004084, AP000092, AL049569, AC002400, AF045555, AC004814, AC006057, AC005102, AC007537, AC007308, AF083219, AC006026, AC007690, AF196971, AC008044, AL022069, AP000691, AC005531, AC005189, AL117300, AP000053, AL022316, AC002350, AJ003147, AC005566, AL049776, Z98884, AL049757, AC004659, U85195, AF187320, AL121769, AL022311, AC004216, AC008128, AC006139, AC004815, AL080243, AC005046, AC007685, AC002425, AC003043, AC007688, AC005071, AL133448, U78027, AL079339, AC007637, AL022312, AC006960, AC007371, AC004859, Z83844, AE000658, AL031311, AL096712, AC007955, AC002470, AC002563, AP000355, AL032821, AC002559, AC005006, AL034379, Z82182, AB023049, AC008012, AC005363, AC004517, AC007546, AL031431, AC008394, AC007450, AL018635, AC002301, AC007617, AC004883, AC005821, AC004841, AP000163, AC004134, AL021546, AP000514, AC006130, AB017602, AC006511, AC003037, AL034553, AC005920, AC002117, AB000877, AC004223, AC000025, AL122020, AC004792, AD000092, AC005480, AC002477, AC006111, AL078638, AC007014, U10087, AC008154, D87012, AL031295, L78810, AC004019, AC001311, AC004905, AL009181, AF111167, AL17344, AL031780, AC005726, U91326, AC007993, U47924, AL049872, AL035682, AL031184, AC002544, Z94801, AL049832, AC035422, AF04455, AC005779, AC006487, AC006487, AL031808, AF010453, AL021707, AC002546, AL031680, AC004973, AL031602, Z68226, AC003669, and AC006084. AA812058, AL135696, AA569648, AA659324, AA569667, AL043351, AA470899, AA449997, |

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HT3SA56	7391	522757	1-404	15-418	AL031432, AC016027, AC004382, AC005193, AC012627, AC004477, C299755, 295115, AC000520, AC000301, AP000510, Z81364, AC005696, AC002343, AC008033, AC016830, AU020998, Z85996, AF139813, AF111168, AC006040, AC004217, AP000116, AP000049, AC005089, AC000026, AL022324, AF104455, Z82172, AC004638, AL135960, AI131016, AC002300, AC002432, AC005207, AC004150, AC002375, AC005046, AC004129, AP003011, AU021938, Z97054, AC009247, Z98752, AF134726, AC005049, AC004253, AC007934, AC007437, AC004000, AL035405, AC008124, AC004227, AP00552, 295116, AC006596, AL035072, AC004228, M26434, AF196969, AC005697, AL096712, AC002365, AC005484, AC006138, AL009031, AC002420, Z84466, AC002054, AC005081, AF130343, AC005006, AL096817, AC007216, AL022318, AC005288, AC005082, U95742, AC006480, AC002059, AJ131341, AP000553, AC005982, AL121658, AC007541, AL049760, AC004797, AL135879, AL121790, AC007774, AL034548, and AC005902.
HT3BK75	7392	766488	1-366	15-380	AC000120.
HT3BF33	7393	527782	1-287	15-301	R74031, AI131053, AI288514, AW207346, and AI239976.
HT2TA82	7394	522751	1-349	15-363	
HT2TA37	7395	522754	1-318	15-332	
HT2SA86	7396	524290	1-421	15-435	AA485578, T74382, AI818921, AA584167, AL042906, AL042905, AA489939, T60544, AI250281, AL042539, AI016704, AA708108, AA525824, AA665160, AA601348, AL048090, AA574077, AA224525, AL048060, AA837035, AA632821, AA601376, AA442283, AA847507, AI065031, AW263396, AA501821, AA342040, F27846, AA553725, C16675, AA379965, F29968, AA926104, AA461583, H93404, AI919048, AA372949, AA477103, AW166611, AA834816, AI145157, AA702206, AA720732, AA349437, W01265, H73230, AA083046, AA634889, AI587565, AA314494, AI174703, AA767660, AI587583, AA515048, AA496895, AL044701, AL133861, AL040054, AW131457, AA365135, AA525753, AA351056, AW021847, AA134720, AA524804, AA502860, AW438643, AA577824, AA577959, AA188664, AI003068, AW265735, N54397, AI890236, AI350211, AA489571, AI872020, R33941, AI547110, AA747469, AA600202, AI445674, AW087537, AA847499, AI367887, AA372312, AA714011, AW364981, AI049999, AI499954, AI250404, AI588877, AI149528, AA714806, AA248710, AW275728, AA107263, U80459, AC005225, AP000557, U82828, AL049829, Z98051, M63544, U95739, M63543, AC007182, AP000113, AL035587, AL035458, AC000353, Z83838, AC005015, AC005837, AC004520, AC002301, AC005899, AF109907, AL050307, AC010205, AL031295, AL031774, AC004975, AC006344, M89651, AC006538, AP000299, AL049697, Z83840, AP000556, AC007546, AF039907, AC005778, AC005913, Z97876, AL133396, AC005355, AC006210, AC004156, AC005519, AC005399, AC005082, U91318, Z82206, AC005981, AC005529, AC003009, AL022336, AC007298, AC004858, AP000031, Z98304, AC005971,

| HT25A63 | 7397 | 518341 | 1 - 414 | 15 - 428 | AL022721, AL133448, AC005722, AC006443, Z84480, AL008582, AF196779, U85195, AC006430, AC007529, AL049874, AC002477, AC005409, AC007055, AB000658, AL035249, 299716, AC005412, AC004938, AP000135, AC006121, AL031291, AP000500, AC003682, AC002476, AC004707, AC004933, AC005876, AF031078, AL021391, AC005231, AC004685, AP000045, AL096703, AC005576, AC002344, AC006080, AF030876, AL022318, AP000553, AC006241, AF047825, AC004797, Z93017, AC003046, Z98941, AL049795, AC007845, AC005558, AC004910, AC007226, U63721, AL080243, AC004859, AL080317, AL135744, AC005527, I63607, AF217403, AL121653, AC005089, AC002350, AC004517, AL022323, AL096791, AL022237, AL049872, U52112, AC020663, AL109984, AC005011, AC007376, AC006285, AC006509, AC006042, AL008721, AC002094, AL096678, AL022163, AL031255, AC005695, 285996, AC004526, AC005803, AC007021, AL031680, AC004491, AF165141, AC005531, AL031311, AC000085, AC006441, AC004408, AF207550, AL033423, AC005940, AC015853, AF190465, AC000120, AC007676, AC007066, AF178081, AC004019, AC008072, AL050341, AC006277, AC009247, AC004106, AL035527, AC007114, AL024507, AC005701, AL022316, AL043343, AJ010770, AL008718, AL078611, AC007216, AC006238, AL031283, AL109952, AC004884, AC002558, AC006084, AC003982, AC005839, AC006960, AL022719, AC004813, AL035413, AC004381, AF165926, U78027, AC004865, AC007774, AL049779, AC004522, AC005512, AL008635, AC002430, Z98048, AC007565, AC016026, AL049779, AC004522, AL034429, AC002468, AC006480, AC005799, Z95152, AC005207, AC002563, AC005138, AC005057, AL031290, AF111169, AC002429, Z68192, AL122023, AC007334, AC005323, AC007435, AC002310, Z93023, AP000694, AC006511, AF001549, and AC004878. AA664248, AA768179, AA484892, AW019964, AA077817, AI624379, AI536858, AI356440, AW272640, AI814682, AI291439, AA862075, AW089950, F35684, AI125615, R7242, AI133164, H77505, AW148775, AI699833, AA837771, AI469172, AA483034, F32248, AI130709, T94072, AI537995, AW190277, H86579, AA714449, AA558697, AI915081, AA745410, AL119838, AA584207, AW249541, AI280504, AA441788, F36273, AI791659, AA728861, H63607, AA715351, Z99127, AL080243, AL008582, AF181896, AC004448, AL049758, AL139054, AC004013, AC005036, AC004883, AF141308, AC007421, AC005773, AL049856, AJ010770, AC006947, AL121825, AC004125, AC005231, AC005911, AC006600, AC005483, AL021939, AC005225, AC012627, AC003043, AL031010, AC002980, AP000307, AP000115, AP000501, AC004492, AL031602, AL133246, AC000353, AL031447, AC008044, AC006071, AC001227, AC002101, AC005585, AC004832, Z84466, AL031666, AP000350, AF196779, AP000277, AP000037, AP000105, AC007279, AC005520, AL050307, AC005663, AC005337, AC005602, AL053455, AB017602, AC006011, AC004382, AL022323, AC005399, AL049869, AC005664, AC006581, AC003110, AC005049, AC005914, AF111167, AP001051, AC007227, |

HT2SA50	7398	522771	1-580	15-594	AF067844, AC004531, AL049743, AL023575, AL031672, AC019014, AC007312, AC005066, AC006959, AL132987, AP000503, AL031984, AC004849, AF134726, AC005066, AC007388, AC007934, AC096050, AC007097, AL031281, AL035690, AL131500, AF196971, Z97054, Z83340, AC006511, AC007216, AC004686, AC004185, AP000509, AC003661, AC003689, D84394, Y14768, AC007326, Z84482, AC006551, AP000068, AL049569, AC006449, AP000310, AL031664, AC002563, AC002107, AC002106, AC004132, AC004222, Z94161, AC006388, AC002115, AC006146, Z84487, AL021367, AC005599, AC007270, AC005323, AC006312, AF015262, A229043, AC006160, Z81007, AC002091, AC004057, AC004025, AP000328, AP000170, AP000055, AP000122, AF000044, AC004955, AL031729, AL121757, AC004682, AD000813, AL020997, AL078472, AL040694, Z99754, AL049795, AC004590, U63630, AD000901, AF061032, AC004449, AF003626, AC005375, AL035083, AC008072, Z77249, D86995, AL132826, AC006597, AC006130, AL109952, AC007129, AC005696, AC004796, AL121871, AC018633, U02054, AC006275, AL135744, AC005328, AC005227, AL035405, AL133245, AL031848, AC007347, AC005988, AF029308, AC006101, AP000689, L40817, U15422, AL133485, AC006930, AC004477, AC004895, AC002553, X87344, AP000116, AP000505, AB023049, Z97876, AC020663, AC004810, AC005348, AC005014, and AC005944.
HT2SA48	7399	508077	1-260	15-274	T90639, AL037825, T77914, T77832, and AL049991.
HT2SA47	7400	578704	1-326	15-340	AI572364, AI656924, AI678258, and AL023806.
HT2SA38	7401	840184	1-388	15-402	AA315580, AA629799, R10762, AA737320, AI818532, AI818533, AA069697, AI625427, AW026051, AA857694, AA857034, AA069300, AI246471, N35626, AW079382, AA134390, AA115731, AI189655, AA626764, AA169498, AA321752, R46585, AA626431, AL047467, AA321116, AC006057, AF196779, AL121603, AF050154, Z15025, AC007225, AC004797, Z98743, AP000505, AL133163, AC005670, AC002312, AF129756, AC005529, AP000008, D87675, AP000326, AP000054, AP000169, Y14768, AC004882, AC005089, M19364, AL049760, AC006948, AF196972, AC005049, AC004841, AF045555, AC005081, AC005759, AC004032, AL031255, AC002390, Z68870, AL078596, AL022336, AC006450, AC000353, AC002477, AL035249, AC057702, AC006241, AC002347, AC005695, AL96791, and AC007450.
HT2SA37	7402	695038	1-143	15-157	AC006010.
HT2SA26	7403	527770	1-391	15-405	295113.
HT2SA13	7404	870917	1-333	15-347	R59568, H30696, R8479, AA501947, and AA708614.
HT1TB40	7405	575355	1-328	15-342	AA312331, AW020150, AI537368, AI521525, AI926102, AA302979, AI242614, W60077, AI791659, AA747234, AI266359, AA968883, AB011116, AC005911, AC005231, AC004851, AC004650, AL035086, AL031282, AC004797, AL031291, AP000503, AC006449, AC007151,

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HSYDH60	7406	949156	1-969	15-983	AL049776, AL109801, AL049538, AC004706, AF030453, AC004019, Z95116, AF134726, AL133448, AL09181, AC005088, AC005562, AC003030, AC006543, AC002470, AL049653, AC000512, AP000694, U62317, AF196779, AC003029, AC005666, AL031587, AC004477, 295331, AC005225, AC006261, U91326, AC004150, AC005523, Z84469, AL049830, AC001231, AC005280, AF001548, AC004841, AL049957, AL031577, AC004408, AC007057, Z85986, AC000731, AC004033, AC005516, AF205588, AC006064, AC005500, AC002045, AC004815, AC000353, Z93023, AC005071, Z98048, AC002350, AP000301, AC006111, AC022517, AC012384, AC005237, AF111168, AP000557, and AC007999.
HSYCZ04	7407	926955	1-447	15-461	AA151162, AF761915, AI313447, W76635, AA137105, AW070219, and AC005358.
HSYCV01	7408	940661	1-509	15-523	H38127, T05941, and H49481.
HSYCS04	7409	926943	1-235	15-249	H82720, AW239265, N36040, N46516, N28649, AA389677, and AC007541. AW192657, AA565972, AI888582, AW189338, AI338022, AA487891, AA227233, AA720594, AI016729, AW020150, AI926102, AW169301, AA601376, C14614, AW273256, AA516061, AA630205, N59038, AA463832, AA533660, AI696455, M77888, AA015753, AA59561, AA315052, AI797998, H15535, AI521525, F02478, AI118628, AI537368, AI394182, AA847718, AI439525, AW085626, AA297208, AA525818, AA742781, R45370, AW022368, AA651150, AA253033, AI375085, R60336, AI300608, AA253068, AA299054, AA20681, N53783, AA302979, AI109984, AA04033, AI021707, AC007050, AC004913, AL031722, AL021393, AL133241, AL049643, AC002996, AL080276, AL078474, AL031255, AC007371, AC003108, AL008582, AC04804, AB026906, AC007731, AC005500, AC004019, AF196969, AB032996, AB001523, AC002054, Z93023, AC007073, AL135744, Z98051, Z86090, AC002470, AC004881, AC004017, AL033504, AC004477, AC002477, Z99129, AF038458, AC005971, AF165926, AF064861, AC006035, AF217403, AC005800, AC005876, AL022165, AC005015, Z82211, AL121603, AC005250, AC008018, AL031432, AC005250, Z84480, AC005409, AC005776, AC006597, AC004072, AL133321, AC008134, Z93241, AL096774, U82672, AL024507, AP000207, AP000129, AC005531, AC002492, U10580, AC005740, AL023575, AC004490, U91320, AL022157, AP000695, Z97056, AL121632, AC007510, AC002350, AC006039, AC007421, Z78021, Z95327, AC002310, AC010170, AC020663, AC007664, U78027, AC007387, AP000070, AC006312, AC006581, AC005666, AC002117, AC005225, AC005484, Z83844, AC003688, AC007093, Z98846, AL096757, AL021579, AC007736, AC005227, AL035422, Z81370, AC006486, AL021706, AC005527, AB018315, AL035667, AC007666, AF129078, AC004662, AC006059, AC007381, and AC004549.
HSYBZ51	7410	725586	1-485	15-499	W39560, and AI216042.
HSYBX42	7411	713630	1-197	15-211	AA148244.
HSYBW55	7412	731627	1-719	15-733	N40307, AI186972, AW075597, and AI206271.
HSYBK77	7413	772067	1-529	15-543	AW338048, H85292, AA256839, AA852539, AI826768, AA009809, AI082750, AW452772.

HSYBH70	7414	756492	1 - 563	15 - 577	W90074, and HS8434
HSYBH61	7415	661807	1 - 858	15 - 872	AI743403, AW207023, H11817, AA019397, R13362, and AA203639.
HSYAV79	7416	928403	1 - 396	15 - 410	AA252919, W94662, AI685537, N35522, N26472, W94613, AI733918, AA399170, N49231, AA936187, and AC007010, AA252272, AI114591, AW188427, AA399530, AA216397, AI040521, AI275631, AA858245, AI537772, H16465, AI049766, AC005591, AC004686, AL096791, AL009181, AF129756, AI022322, AC005915, AC005102, AC005940, AC005399, AC004854, 285987, AL031587, AC005839, AC000134, AC005736, AC008018, AL031005, AC004263, AC005411, AC000449, AC000663, AL031588, AI053356, U52112, AC002544, AL049829, Z93930, U91321, AL049643, AC006914, AC005778, AC007050, AL031295, AC002997, AC002073, AC005237, AC005071, AL031729, AL022316, AC012384, AL049869, AP000962, AF207550, AL132712, AC006948, AC004913, AL109798, AC000353, AC005726, AC005324, AC004675, AC004962, AC003667, AC004460, AP000512, AC006120, AC006120, AC006241, AC004887, AC007225, 299716, AC049780, AC007055, AC006330, AP001053, AC007664, AF088219, AL049709, AC005274, AC006449, AC007227, L44140, AC003070, AF134726, AC005562, AP000065, AL031311, A003147, AC007226, AC007308, AL110122, AP000550, AC004020, AC007421, AC004755, AC003663, AC005620, AC005316, AL135744, AP000045, AP000113, AC006064, AC022115, AC034562, AL049759, AC004673, AP000240, AC005924, AC005899, Z82214, Z70280, AC005041, AC004560, AP000049, AC004408, AL031848, AC000097, AL008583, AP000311, AFI11169, AC006121, AC006558, AP000116, AC005529, AC006547, AC005363, S56773, AC005317, AC007011, AC002352, AC002425, AL049569, Y14768, AC005619, AC006285, U62293, AL136295, AC005060, AL133163, AC007919, AF015416, AP000556, AC004841, AF190969, AP000505, AL022721, AL031650, AP000248, AC007371, AC009516, AC005360, AC017546, AC005243, U52111, AL136130, AC009247, AC006965, AL133500, AC008132, AC117258, AC006571, AC005943, AC005089, Z92542, Z98949, AC003681, AL035413, AC005486, AC012599, AL117694, AC004050, AC007981, AL008718, AC003006, AL022328, AC003010, AP001046, AC004491, AC006251, AL078638, 297181, Z81369, AC006130, AC035597, AL021920, Z86090, AC005057, AC007324, AL049843, AC005515, AL021528, AL079395, AC008101, AC004150, AC000026, AC006160, Z83826, AC005081, AL080243, AL133485, AC002492, AC002331, AC007707, AC005512, U91326, AC002477, AC005919, AP008076, AC002350, AP000143, AL121638, AC002059, AC007344, AC005412, AF196779, AC006019, AL022476, AC005701, D87675, and AP000090.
HSYAU07	7417	953032	1 - 658	15 - 672	AA66395, AI016892, AA773310, AA666419, AW117831, AA668617, AW069744, AA864910, H70254, I83088, AF037222, AC004913, AC004791, AL121825, AL078639, and AL022318.
HSYAF81	7418	493771	1 - 499	15 - 513	AA94578, AI370475, AW131315, AL037910, AW082171, AL036283, AA603323, AI821467, AW301350, AW301196, AA878149, AW27407R, AW406755, AI810236, N22032, AL045709, AI963720, AI908093, AL135698, AI252506, AI038606, AW274349, H45320, AA808263.

AA46322, AI865213, AL039187, AL037632, AI890348, AI343143, AA449997, AW268277,
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W23546, AA827231, AL045471, AL120976, AI061313, AI079129, AI623899, AI609972,
AI828405, ALI41083, ALI21210, AI821881, AI821918, AI859946, AI537995, AA492313,
AA533408, AI355246, AI923052, AA877817, AA410788, N55019, AA555232, AL037952,
AI801701, AL039550, AI282479, AL042756, AL040072, AA446474, AA601680, TI7269,
AI865905, F29989, AA50258, AI613795, AI613795, AA661948, AW276435, AI284583,
AI754013, AL048925, AW271904, AA814578, AA019973, AI754923, AW402458, AA127916,
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AC004068, AC005755, AL022313, AL024498, AL078659, AC005138, AC006285, AC005971,
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ALO21707, AC004472, AC004815, AC001228, AC003043, AL035400, AC005004, AC007917,
AC004253, AC002372, 299716, AC010197, AC009516, AL020997, AC004938, AL008718,
ALI22020, ALO31373, AP000555, AC006120, ALI21603, AC005875, AP00557, AL008582,
ALO31055, AC005524, AC123803, AL035694, AC007216, AC005277, AF015722, AC004386,
299742, U95743, AC006241, AC004797, U96629, AC003962, AL035072, AF003626, AC004024,
AC006468, AC004821, AC005585, AC005393, AP00513, AC005046, AC005386,
AL049829, AC008040, AC005071, AC005211, AC003029, AC005378, 283846, AC004148,
AL031005, AF126403, AC009464, AC004590, AL022097, AL008721, AC00228B, ALO31286,
AC004596, Y18000, AL035089, AL035683, AP000476, 298304, AC016830, L11910, ALI36295,
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AC004452, AC007324, 293017, AL096817, AP000073, AC006552, AC002301, AC009399,
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Z69917, AC002036, AC005826, U85195, AF205588, AL031667, AC008085, AC005699,
AF067844, AC004491, AB020870, AP000514, AP000356, AL023879, AC005220, AC006379,
AC005274, ALO24495, AF051976, AC005821, AC006480, AL049694, AC008079, AE000658,

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HSMBD15	7419	659891	1-407	15-421	N34175, AA461238, AA092575, and AA331823.
HSMBC78	7420	917244	1-644	15-658	AC005488, AC007386, AL035541, AC006312, AC005548, AC005291, AC000112, AC002351, AC005562, AC005497, AC003107, AL034417, AP000474, Z97054, AL096791, U93740, Z82901, AC007298, AC004967, AC006153, AL135960, AJ131016, AL008633, AL004934, AL034494, AC007055, AL021395, AC004019, and AA004477.
HSMBA83	7421	780932	1-412	15-426	N48782, and AW148806.
HSMBA39	7422	715630	1-349	15-363	AH20669, AH421859, and AC004839.
HSAZQ69	7423	754362	1-409	15-423	R69952.
HSAZP83	7424	780400	1-496	15-510	AA018350.
HSAZP65	7425	747422	1-333	15-347	R34942.
HSAZI64	7426	746074	1-505	15-519	N49506.
HSAZI53	7427	727757	1-325	15-339	T84311, T83011, T85193, and T90202.
HSAZG52	7428	726195	1-470	15-484	H03394, and H04091.
HSAZG23	7429	950023	1-453	15-467	T96724, AA701886, T96613, AL33245, and AL121653.
HSAZA42	7430	866817	1-315	15-329	AC002430, AC007384, AL031311, AC007686, AC003070, AC002470, AL031651, AC005280, AL133448, AP000045, Z95114, AC005358, and AC004815.
HSAZA06	7431	705365	1-504	15-518	AA082591, AC002542, and AC005495.
HSAYT37	7432	935451	1-351	15-365	H50833.
HSAYT33	7433	708803	1-408	15-422	AA501933.
HSAYT29	7434	866821	1-732	15-746	R98708.
HSAYR63	7435	744333	1-414	15-428	R21904, R81864, and H04638.
HSAYO42	7436	713793	1-457	15-471	AA033946, AI655064, AA678527, AA033996, T89763, AA748095, AA554593, AW075801, AA033945, R85174, AI222713, AA873521, and AC004924.
HSAYK63	7437	791546	1-680	15-694	H79295.
HSAXS163	7438	661933	1-391	15-405	
HSAXM08	7439	866838	1-785	15-799	AA706495, AI187148, T57767, AA565911, AA723299, AA808861, AI361866, AA503298.

AA775205, AI921765, AA812684, AF001549, AC005736, AC005081, AC004797, U62293, U63721, AP000505, AP000501, AC004990, AC005488, Y14768, AC005730, AC007637, AC005057, AC004991, AC006441, AL031311, AC006064, AC005529, AC006505, AC005261, AC007193, AC002301, AC004253, D95740, Z95115, AL049759, AC005562, AL096701, AL034420, AL049843, AL034379, Z85987, AC007993, AC004655, AF030876, AL031228, AL109865, AC005486, AF190465, AL031291, U91321, AC002558, AC006509, AF196969, AL022316, AL122020, AF031078, AC002544, AC004084, AC005082, Z84466, AC004383, AC002115, AF196779, AC002400, AC005821, AL031295, AC002316, AC006690, AL096791, AC006014, AC005288, AL031602, AL021154, AC007707, AC002350, AL133448, AP000055, AL035415, AC006241, AL033527, U62317, AC005015, AC006430, AC005740, U07502, M63796, AC006077, AC005071, AL034549, AC006312, Z84484, AC000025, AC007227, AC003684, AL020995, AC006487, AC006948, AF038458, Z99716, AC005527, AC005049, AC016027, AC006011, AL049766, AC004805, AI003147, U91326, AL022326, AC004417, AL080243, AL132777, Z83822, AC005484, AC004841, AL031276, AC004491, U91318, AC006211, AFI11167, AC004876, AC004263, AL049539, AP000692, U47924, AC005067, AC040992, AC007226, AC004983, AC006480, AC000003, AC005696, AC003108, AC016025, AC005911, AL050348, AC004859, AC004067, AC003006, AC004223, AC003010, AL133500, AC005971, AC004167, AC005632, AC016830, AC004616, AC007223, AC006636, AL135744, AC010205, U91323, AL008627, AP000694, Z97253, AL132712, AL031557, Z83844, AC007277, AC006597, AL049697, AC002369, AL023087, AL109758, AC004815, AC009247, AL035400, AC005764, AC006468, AL021394, AL009181, AL005089, AC004907, AL035355, AC006516, AC009516, L19017, AC006088, AC005274, AC006538, AC002395, AL133355, AC004819, AC004031, AC004534, AC004150, AC000159, AC005722, AC002091, AC002310, AL031848, AC004033, AC002477, Z97354, AC011456, AC005031, AL050318, AC006115, AC012230, AC004031, AC004031, AC004534, AC004150, AC005011, AL035681, Z99570, AC005295, AL133109, AL133353, AP000088, Z98036, AC005899, AC004975, AC004821, AC007055, AC005532, AC005280, AC007731, AB023049, AC005482, AC005500, AP000031, AC005072, AC004834, AC005280, AC004020, AF109907, AC007227, AL022476, AC007263, AP000696, AC002425, AF088219, Z83826, AL049872, AL096767, AL021917, AL035450, AC002314, and AC002070.					
H23534, AA649201, AA972098, AA743722, AW292515, and AA884319.					
W31014, and W27097.					
N50573, AI983229, AW149904, AC012627, and AC004004.					
N72959.					
N48850.					
H23933, AI111184, and H46840.					
H53383.					
N71589.					
HSAXC95	7440	721825	1-547	5-561	
HSAXJ93	7441	792516	1-440	5-454	
HSAXI05	7442	932387	1-492	5-506	
HSAXH85	7443	784475	1-200	5-214	
HSAXG45	7444	457077	1-357	5-371	
HSAXE42	7445	714040	1-358	5-372	
HSAXE33	7446	702673	1-413	5-427	
HSAXC55	7447	732568	1-470	5-484	

HSAXB89	7448	787069	1 - 210	15 - 224	AI440512, AA001386, and AC003038.
HSAWY92	7449	792888	1 - 649	15 - 663	T85565, W88924, W89181, AL047407, and T85566.
HSAWY81	7450	574184	1 - 432	15 - 446	F30650, AI251429, AA995573, AA664136, H51835, H29914, AA553409, AA456149, AA643784, AA482928, T06210, AW270385, AI750125, AI283938, AA63442A, AA230155, AA584765, AW273849, T03900, AW731417, AW341978, AI628859, AA577824, AA833828, AW103406, AI336555, AA43834, I931152, AA180857, AA147521, AA229935, AA808998, AA659832, AW008184, AA443727, AI251024, N27753, AF111168, U07562, AC005520, AC005971, AC007565, AC009042, AA005512, AI109627, AC007546, AC002369, AI049697, AI049766, AC004263, AC005303, AI008718, AI020997, AL031230, AL022313, Z84487, AI133382, AC002537, AI019758, AC004242, U73168, AI020993, AB003151, AC003962, AL121748, AC002254, AC002565, AC004099, AL031005, AI049874, AC004821, AC005666, AI027726, AI049872, AC005480, AC002549, AC005102, AP000501, AP000255, Z99716, AC005500, AC005632, AC012085, AP005746, AC005355, U96629, Z85986, AC005081, AC003109, AC096791, AC000025, AI008719, AC002350, AC005037, AC016830, AI049869, AC006312, AI050348, AC005920, AC005375, AP000213, AC002565, AL035072, AC003098, AC004859, AC004000, AL049830, AC006057, Z98304, AC002558, AP000135, AC002094, AF134726, AL021707, AC004770, AC004895, AL031680, AC009336, AC005258, AL121825, AC007536, AI030876, AF047825, AC006120, AP001052, AC005088, U91326, AL021393, AC007216, AP000499, AC002544, AC004019, AC004228, AJ003147, AC016025, AC007566, AC006478, AC004520, Z95152, AL135744, AC007785, U02051, AC007510, AP000031, AC005332, AC013311, AC005887, AL133371, AC005899, AC007731, AC004551, Z83840, AL008726, AC013163, AC005531, AL121652, AC002425, Z93783, AL049776, AL049843, AP000547, AC005882, U82828, Z98742, AL031281, U95742, U63721, AL109657, AC004049, AL050341, AC005291, AC004253, AL034418, AC006480, AC016027, AC004814, AC007066, AC002301, AL049760, AC006333, AL022165, AC006011, AP000553, AC005189, AL049757, AC004383, Z98956, AC004379, AC004167, AC003010, AC006111, AC006005, AC003043, AL133436, AL133163, AC004098, AC006121, AL050307, AL096703, AC003104, AP139813, Y14768, AF109907, AC005031, AL031118, AC004764, AC004602, AC010170, AI021977, AC005488, AL035071, AC005527, AC003108, AF196970, AL021391, AC006014, AL109952, AC009808, Z86090, AC007773, AC005070, AP000505, AC012384, AF031078, AL031432, AP000557, AC008372, AA034316, AC006285, AF030876, AC004491, AC004509, AA036572, U91328, AL022314, AL133465, Z97054, AC005013, AC005048, AC002312, AC005328, Z83847, U91323, U80017, X69907, AC006449, AL118516, AC005280, AP000133, U91327, AL049795, AC007537, AC006363, AP000211, AC007845, AL021546, AL022101, AC005337, AP000692, AP000121, and AC006313.

HSAWY79	7451	574182	1-356	15-370	
HSAWY33	7452	866861	1-451	15-465	
HSAWY07	7453	953851	1-487	15-501	AI038990, AL135377, AI754544, ALI20008, AAG33892, ALO43217, CI4967, R73754, AA584482, H45136, AA773302, ALI20004, AA484145, AC006121, AC005512, AC005924, AP000513, AA002544, ALO31311, AC005200, AC005015, AC004841, AC005081, 298950, AC006468, ALO35079, 279997, U91326, AC005793, ALI22020, AC005071, AP000356, ALO22318, AC002115, AC007055, ALO09179, 293930, AC003071, AC007201, ALI33246, AC005291, AC005913, AC004755, AF001548, ALO78611, ALO09181, AC007226, AF053356, AC005520, AC004771, ALI96791, AF134726, 298751, ALO21918, AC005355, ALI35744, ALO22238, ALO21707, AC005944, AF111169, ALO96712, ALO31680, AC005006, ALO08718, AC004084, AF001549, AC005529, ALO31597, AC005755, AC004531, U07563, ALO31589, AC002310, AC006449, AC004228, AP000692, AC004922, ALO22165, AC005527, AP000553, ALI21603, AC003101, AF196971, AC005667, AC005412, AF207550, 298742, AC005004, AC005280, ALO31291, AP000348, AC004000, ALO09701, AC003029, AC005484, AC002984, AP000503, AC004475, ALO49694, AC007314, AC005057, AC005839, 283840, AC005837, AC000379, AC005207, AC004031, AC004033, AC005233, U96629, U91323, AC006480, AC007057, ALI09952, AC004966, U95742, AC004167, AC007686, AC005193, U52111, AJ246003, AD00092, 298946, AC005619, AC005567, AC002347, AP000030, AP000260, AC004797, AC005049, U91325, AFI11168, 284721, U62293, AC002550, ALO21322, AC020663, 298048, AC005940, AC006071, AC004854, ALO08582, AC004707, AC007842, ALO09183, AC002369, ALO35422, AC005225, AJ011930, AC007666, AC004851, ALO33420, AC006511, ALO49776, 283843, ALO31282, AC002091, AC016027, AC004526, AC004034, AC007216, AP000248, AC005231, AC002312, AC006132, AC009509, AC016830, AC005695, AC002395, AC002316, AC003665, ALO21154, ALO50308, AC004991, AP000074, AC005632, AC005899, AF129756, AC007546, AF196972, AC005803, AC003070, AC004491, ALO31591, ALO31685, AC005756, 298750, AL049697, AC004686, ALI09980, AC005391, 299241, AC008040, AF165926, AC018633, 299716, AC005519, AC003070, U85195, L78833, 293017, AC003663, AC005482, AC009247, ALI33448, AC004834, AP000555, 294056, AC012384, ALO22237, AC007263, ALO31587, AC005668, AC005730, ALO49760, ALI21655, AC004638, ALO21155, AP000099, AC005786, AC004099, AC004816, AC004770, AC006088, ALO49780, AC005180, ALO34548, AC007845, ALI35783, AC006023, AC004409, AC005089, AC005332, AC004659, ALO22476, AC016025, AC005701, 297876, AC004257, AL049757, AP000275, and AP000113.
HSAWU74	7454	765818	1-117	15-131	R18910, AA758341, AA861341, AA992385, AI066599, AA393305, AA626371, AI803008, and AF199339.
HSAWU12	7455	968804	1-464	15-478	N55482.

HSAWS74	7456	765819	1 - 541	15 - 555	AA180526, AI937121, AI566831, and AW451269.
HSAWS40	7457	711441	1 - 386	15 - 400	I72682.
HSAWR08	7458	959943	1 - 584	15 - 598	AA725543, AA770210, AA700020, AW206059, AI672358, AA916774, AA699619, AA827289, AW27123, N59203, AI024492, AI032726, AA693821, AI240892, AA761810, AA291268, AA524731, AA765847, AI208858, AI032993, AI049580, AI375573, AI418475, AI188629, W42659, AA993418, AI334247, AI524794, AI215039, AA287974, AA782458, AI824282, AW362905, AA426229, AI796476, AI500031, AA525966, AW021687, AA730421, AA262040, AI613496, R60802, AA769274, AW383419, HI8939, AA291339, AI701999, AI797031, AA908871, AA480957, AA235431, AA370678, AA504437, AA626831, AA659009, H51642, H50988, AA664580, W45184, AA203299, AA259009, AA504201, AA778342, AA746717, AA327714, and AI110271.
HSAWO08	7459	959938	1 - 531	15 - 545	AA665641, AI370010, and AA620852.
HSAWL77	7460	772444	1 - 611	15 - 625	H38048, H47680, R89374, T96702, T96595, and AC003663.
HSAWL68	7461	753569	1 - 441	15 - 455	WI9521, and HI30845.
HSAWK67	7462	526767	1 - 348	15 - 362	AI027141, AI833186, AI885553, AW362249, AA775877, AA586887, AI870575, AC002558, AC007934, Z80774, AI10963, AI034423, AI109801, AL035454, AL133353, AC006361, AC009516, AF045555, AL049794, AC005081, AC006241, and AC004848.
HSAWK32	7463	418690	1 - 293	15 - 307	
HSAWK21	7464	954897	1 - 408	15 - 422	
HSAWK20	7465	866872	1 - 419	15 - 433	
HSAWI13	7466	971727	1 - 635	15 - 649	AA098930, AI018279, and AC007036.
HSAWI11	7467	964949	1 - 333	15 - 347	R36512.
HSAWG44	7468	716820	1 - 560	15 - 574	H56598, H56599, and AA528438.
HSAWF86	7469	675220	1 - 249	15 - 263	I71860, AA091228, and AC000015.
HSAWF52	7470	728598	1 - 326	15 - 340	H85407, and AI373600.
HSAWD24	7471	706928	1 - 459	15 - 473	N39811.
HSAWD15	7472	677435	1 - 222	15 - 236	R02372, AI130993, AA573647, and AI375038.
HSAWDI5	7473	660572	1 - 490	15 - 504	I08501, Z41986, and AC008059.
HSAWC55	7474	866890	1 - 725	15 - 739	T61478, AA487542, U07000, AI121934, AC004966, AC003035, AI023580, AP000550, AC002051, AC008018, AI031432, AI022400, AC007664, AC007298, AC007325, AC004814, AC003043, AI031674, AC007324, AP000552, U50871, AC009288, AC012330, Z98941, AI049712, AI121825, AI024509, AP000694, AI022171, AC007708, AI079342, AC006948, AA004659, AC007981, AP000247, AC005841, AI031291, AC005477, AI021391, AC004491, AI110122, AC004765, AC009599, and AC005697.
HSAWB70	7475	757409	1 - 156	15 - 170	R01017, AA043219, AI920902, AA283874, AA833856, AA833870, and I166742.
HSAVZ82	7476	881166	1 - 362	15 - 376	H73704.

HSAVZ63	7477	574195	1 - 360	15 - 374	AA158018.
HSAVY10	7478	968230	1 - 285	15 - 299	AI267820, AA838103, AI267216, AI267490, and AC005856.
HSAVY02	7479	920721	1 - 409	15 - 423	T78806, and AL049651.
HSAVX22	7480	674919	1 - 290	15 - 304	H71423, and H71422.
HSAVW13	7481	862754	1 - 344	15 - 358	H57122, and T49775.
HSAVW36	7482	866886	1 - 512	15 - 526	H30216.
HSAVS48	7483	721856	1 - 279	15 - 293	AA192605, AW014772, AI698074, AW243066, AA19260O, AI697110, AA677245, AA614646, AW205594, AI270685, AI830046, AA588738, AI476751, AA862842, T91778, AA906049,
HSAVQ73	7484	929276	1 - 681	15 - 695	AA622890, A66648, and AL109983.
HSAVP56	7485	733616	1 - 355	15 - 369	RI0034.
HSAVO05	7486	932379	1 - 253	15 - 267	AA639443, and AP001052.
HSAVN72	7487	574129	1 - 483	15 - 497	N70411, and R97430.
HSAVN48	7488	526505	1 - 253	15 - 267	AW021399, AW020094, AI224583, AI610012, AI609984, AA568311, AA425283, AA669238, AA601376, AI609974, AA535558, AI439525, AI754257, AA174108, AI345566, AA525818, AA601333, AW177869, AW226006, AI803771, AA566338, AA551519, H71678, AA533660, AI119691, AA085106, AI43952, AL079553, AI952885, AI909130, AI040313, AI910609, AA568303, R43331, AI832782, AI41232, AL048267, AI493464, AI572680, AA423864, AA831174, X62355, AL136295, AC004802, AU048716, Z81367, AL096700, Z96511, AL121603, AC007421, AP000116, L78810, AL109627, AC006455, AC009516, AC005018, AL049694, AC006211, AC000449, AP000553, AC004812, AC002558, AC000353, U47924, AC006071, AL034420, Z93241, AC005779, AC005015, AC006277, AL096701, AC005740, AC004973, AC004134, AL022316, AC007364, AC004098, AC006581, AL035422, AL035400, AC005387, AL096801, AL050341, AC004686, AC006077, AC005899, AC004921, AC005180, AC006011, AC002045, AL133448, AC011077, AC004703, AC006312, AC005006, AC006141, 295115, AF030876, AC005755, AC008014, AC005954, Z86090, AP000472, AL031255, AP000125, AC004813, AC005921, 297053, AL080243, AL035086, AC002316, AF207550, AC011311, AL031673, AC004447, Z81364, AL096791, AC002519, AC006480, AL135744, AC005231, AC006512, AL031657, AC007055, AP000504, AL035423, AC005856, AC031587, AC005225, AL139054, AF031076, AC004897, AF031078, AP000248, AC007191, AC005695, AC005291, U78027, AC005736, AL031281, AC005971, AL034430, AC004685, AP000556, AB001523, AC008115, AL008719, Z83844, AC006511, AC007934, AL021878, AC004648, AC007450, AL035681, AC004859, AC005785, AC004650, U24498, AC005846, AC009510, AC006241, AL031315, AC007919, Z82198, AC005668, AC006530, AC005726, L78833, AC004448, AL117338, AC007225, AC005253, AC005783, AL078477, AF129756, AC009510, AC005874, AP000696, AC004848, Z84476, AL096766, AC002470, U73634, AC015853, AC005365, AC003029, AC004033, AC002301, L39891, AC003042, AC007283, AL022318, AC005701, U89336.

HSAVN24	7489	574106	1 - 265	15 - 279	AC007160, AC007537, AC005696, AC007308, AF053356, AC004675, AC004834, AC004974, AC004228, AP000501, AC002077, AC009247, AP000557, AC005839, AC006088, AL049780, AP000503, AC006026, AL008718, AC002115, AL049969, AP000172, AC006042, AL034423, AL123777, Z49918, AC005071, A003147, AP000057, AL049709, AL035420, AP000008, AC005670, AC002476, Z84480, AL031311, AF088219, K00061, AP000704, AC004030, Z98051, AF001550, AC001226, AL021707, AF045555, AC005207, AC005874, AF134471, AC005529, AC005228, AC004963, AF111167, AC002546, AC006571, AC007637, AL095763, AC002310, L05367, AC005081, AC007021, AP000359, AC004910, AL020995, 297054, AC003110, AC005320, AL109628, Z84469, AC004491, AC011362, AC005763, AL031767, AC005911, AL121653, AC007051, AC006285, M63796, AC005664, AL031577, AC016027, AC004887, AL023575, AL031009, AF196972, AL030996, AC004797, and AC005933.
HSAVK84	7490	783183	1 - 476	15 - 490	AI023999, T89881, AI719157, and Z83309.
HSAVB84	7491	783182	1 - 440	15 - 454	AA626210, AA678261, AI458275, T86534, H96885, H61936, AI247794, W87937, T78644, and AI217194.
HSAVI53	7492	728361	1 - 209	15 - 223	T39682, AA905799, AA730277, AW136642, T40726, and AA806155.
HSAVG96	7493	796544	1 - 365	15 - 379	H88813, and AC005876.
HSAVF17	7494	664515	1 - 340	15 - 354	H80433, AA744622, AI688897, and AA834656.
HSAVE61	7495	742076	1 - 446	15 - 460	T89135.
HSAVA79	7496	781800	1 - 282	15 - 296	AA039815, AA091607, and AL035410.
HSAVA22	7497	674977	1 - 288	15 - 302	T97088, and AA639076.
HSAUZ11	7498	967609	1 - 357	15 - 371	AA262765, and AL031005.
HSAUW24	7499	679279	1 - 525	15 - 539	H59291.
HSAUU25	7500	679278	1 - 875	15 - 889	N63710, W86619, AA400277, W90271, N99081, AI078221, W86602, AA148985, AA148984, AA401317, and H90568.
HSAUQ81	7501	866192	1 - 435	15 - 449	F35097, AA773098, AA644090, T47138, AW023111, AA584862, AW410409, AA574077, AA225406, AI921765, AW272294, AW328331, AA904211, AA425924, W96277, AW028376, AI635028, AA740559, AI755202, AI066646, AI275742, AI801505, AI249365, AW084100, AI445934, AI923451, AI046416, AA773463, AI144081, AW302711, AA513851, AI889426, AI439525, AA828637, AI923458, AA427636, AI133727, AI587467, AL045077, AA570255, AA761714, AW301906, AW103406, AA020873, AA683052, AI955029, AA524616, H63660, AA847395, AI243789, AI921744, AI156440, AI523074, AA568747, AI627917, N57681, AC007226, AF159056, AC007308, AC006270, AF196969, Z85986, AA995062, AI136295, AC006530, AC005184, AP000553, AL049780, AC005726, AR036572, U91328, AL031368, AL035659, AL050307, 295115, AC005972, AI133243, AL121655, U91121, AC004526, AL133289, AL031284, AC005914, AI049636, AC009509, U47924, AC005971, AC005982.

HSAUC54	7502	730928	1-402	15-416	AC004890, AL109798, AL107055, AC002996, AC004491, AC007225, AC004534, AL078581, Y14768, AC005011, AL022327, AC005231, AC007055, AC005722, L4140, AP000967, AL13348, AL109181, AC002470, AL049631, AC006333, AC005525, AC007193, AC005082, AL121603, AC005666, AC005338, AC006449, AL133314, AC007934, AC003663, AL034420, AC005962, AC003041, AL109627, AC003043, L78810, AC007637, AC006347, AP000501, AP000356, AC004854, AL078638, AL031846, AC007216, AL049757, AC005095, AC005839, D87009, AC005409, AL122023, AC005529, AL133355, AL035587, AC005057, AC005300, AE000658, AL022162, AL121073, AP000652, AF069489, AP000555, AC004821, AL049843, AC005071, AF001549, AC009738, AL050318, AC004820, AL022315, AC000025, 299716, AC002312, AC002551, AC004495, AL049538, AL024508, Z83987, AC006006, AL021940, AC006040, U15177, AC005288, U9123, AC004647, AF134726, AC005399, AP000247, AF038458, AP000208, AC007384, AL008726, AL04776, AC005736, AF205588, AC004099, AC002472, U9126, AC007371, AC004883, AC000159, AL022163, AL121754, AC004878, AB026898, AC004655, AL133382, AC004033, AL031584, AC004953, AC007546, AC006360, AF196972, AC007938, AC005531, AC006084, AL049869, AC002091, AC01311, AC004922, AC005480, AL050321, AC005527, AC005736, AC002404, AC002480, U80017, AP000032, AC008038, AL022476, U95743, AF04555, AC004989, AP00013, AC002350, AP000046, AP000114, AC006641, AL005051, 283244, AC005533, AC009247, AC002395, AC005874, AF134471, AL121658, AL133246, AL016025, 298750, AF064861, AC004451, AC000793, AC003841, AC005519, AL079342, Z84469, AC004865, AP000086, AL079639, AC01154, AL021546, AC002303, AC004216, AL049829, AC005829, AC003101, AC004498, AC004797, AF107385, AL109827, AL031228, AC007151, ALO22320, AL034417, AC079340, AC006115, AC005387, AC007011, AF207550, AC002119, 298044, AC004263, AP000048, AC006235, AP000193, AC006312, AC005363, AD001527, AC002544, AL035089, AC005189, AL031276, U62293, AL121595, AC008372, AC002301, AC004895, AL034379, AC005486, AC005530, AL049856, AL022165, AF053356, AC002300, AL035420, AC004477, AC006468, AC003071, AF165926, and AC005520.
HSAUQ44	7503	716847	1-342	15-356	H49169
HSAUL84	7504	908440	1-356	15-370	R23067, and AC004752.
HSAUK72	7505	766240	1-267	15-281	AI267359, and M77994.
HSAUK48	7506	883205	1-400	15-414	AA179592. N40665, AW404068, AA461610, AA429180, W25197, AA306808, AA329256, AA304978, H95186, AA338381, and AW405457.
HSAUI23	7507	422961	1-719	15-733	AW139651, AW134619, T77738, and AA668754.
HSAUH06	7508	954543	1-413	15-427	AA485628.
HSAUH02	7509	917314	1-324	15-338	AA774114, AA001307, U51281, and AC001228.
HSAUG74	7510	765859	1-563	15-577	AW300097, N33037, AW293539, and W57798.

2308

HSAUD02	7511	920827	1-446	15-460	N70288.
HSAUB69	7512	514840	1-650	15-664	AA077777, AA354695, AI557976, AI090934, AC019014, AC006204, AJ251973, AC005940, AL050031, AL009172, Z98304, AC007207, AC009911, AC006042, AU023574, AC004832, ALU22067, AL022726, AC005611, AC003684, AU050317, AC007172, AL132777, AL049839, AC000056, AC005354, Z83838, AL121658, AL109984, AP000140, AC003098, AL034420, AL049869, AP000088, Z97876, AL021391, AP001549, AC005740, AC012384, Z82206, AL035587, AC005091, AC002040, AC005067, AC004386, AL035684, AL246603, AL023799, AP000036, AL135744, AF207550, AP015416, AC005399, AC000353, AC005304, AL133163, AL110939, AC006538, AL049611, AP000553, AL049843, AL031311, AC006057, AC006101, AC005215, U89335, AL078624, AL078593, AL020997, AC006160, AC005844, AC005243, and Z97055.
HSAUB39	7513	705677	1-400	15-414	T96309, AA526387, AI804853, AI818557, and AA935065.
HSAIT281	7514	778268	1-348	15-362	H83787, H80779, AI741246, AI261722, AF017104, and AC016831.
HSAITY22	7515	674986	1-389	15-403	AA906177, W93403, AA889552, AA889547, AA757340, AI478954, AA906247, AI380565, and AI018570.
HSAITW91	7516	790394	1-328	15-342	T98737.
HSAITW51	7517	725879	1-538	15-552	H99808.
HSAITW96	7518	843424	1-757	15-771	T91873, T84748, AI122618, AA553216, AI884383, AL078638, AP000356, AC005881, AP000128, AP000206, AP000245, AC005225, AC006213, AC004834, AC004216, AC005386, Z68870, ALU31602, AL049635, AC004685, AC006449, AC004832, AL022318, AC005233, AC005200, AC005088, AC004967, AC008038, AL031707, AC006205, AC004067, Y07848, AC000492, AC002546, AC002470, Z85986, AF030453, AC004913, AL049776, AL033375, Z95114, AC006285, AC005971, AC006597, AC005920, AC000353, and Z98047.
HSAITS25	7519	866949	1-748	15-762	AA504782, AA884955, AA486877, AC004212, AB023050, AP000512, and AF124523.
HSAITG05	7520	732406	1-467	15-481	R01471, AA191495, AW272663, AA112291, and AC003969.
HSAITM64	7521	862436	1-1029	15-1043	AA074625, AA010341, N79094, N81127, AA010342, AI275020, N62337, AI039035, AA082546, AI632888, AI472260, AI472195, AI003958, W73511, AA234358, AA025769, AA905994, AA977248, AA948588, AA954472, W68348, AI143305, AA922107, AA452878, AI127716, W72476, AI094277, AI589630, W69905, AI216500, AW340339, AI088782, AW055110, AI127337, AI338418, AA722405, AI568823, AI200456, AI659289, AI371712, AI204689, AI243708, AW027897, AI017294, AA993504, AI249161, AW182660, AI351592, AW133347, AI971471, AI189735, AA548686, AI306414, AI420134, AI420611, AA026541, AA595328, C00837, AA041253, AI918959, W68440, AA973316, AA905618, AA877132, AI167501, AI161103, AA905960, AI190826, AA885421, W73344, AA025957, AA341160, F22309, AA460691, W76192, N57271, AA453048, AA779639, and AI873146.
HSAITM19	7522	866954	1-434	15-448	H83017.
HSAITM09	7523	456326	1-337	15-351	T94905, and AF017104.

HSATL02	7524	920825	1-488	15-502	AA468269, AA468298, and AA468196.
HSAT158	7525	866955	1-499	15-513	AI336563, AW302011, and AW271091.
HSATE53	7526	728414	1-436	15-450	T91431, H80874, H53035, and AI909994.
HSATC79	7527	602167	1-559	15-873	N23278, AI278972, AA679625, AW157731, AI871954, AA410788, AA744018, AW023111, AI251429, AA228778, AI439393, AA715173, AA715075, AI798407, AI066646, AI206841, AI340151, AA535216, AI11583, AA449997, AI189682, AA558404, AA501867, AA602906, AA598892, AI95029, AI923052, AA176604, I30158, AI207424, AI678867, AA644090, AA714011, AI431513, AI357628, AA572983, AA693366, AI564582, N26201, AI061313, AI755202, AI572680, AA471476, AI753488, AI884383, AI587553, AI587565, AA070899, AA491167, AA613624, C06046, AA084469, AI826761, AA622801, AA129746, AI216990, T57767, AI069090, AI744830, AA909816, AW022934, AI356440, AA719433, AW341978, AI249365, AI186438, AI047349, AI155007, AW304536, AA146656, AA61043, AA904137, AA630535, AW104788, T57096, AA837000, AW148792, H93628, F29968, AW243884, AA225326, AI799569, AI925369, L47234, 29514, AC004253, AI035527, AL031319, AP000045, Z69917, AP000300, AC004015, AF129756, AC000039, AL121820, AC004232, AP000113, AC000527, AC004967, AC00797, AC003982, AC005690, U85195, AP000555, AC006512, AC00529, AC005530, AI246003, 292546, AI008637, AC002563, AE000658, Z98884, Z84480, AL121652, AF063356, AC002059, AC003108, AC000025, AP000353, AF196779, AL022316, AL031846, D84394, AI049643, AC004134, AF134726, AC003025, AC006511, AC005484, AC080243, AC003102, AI139813, AA900152, AL133289, AC005183, AC004802, AL035668, AC004148, AC006312, I34294, U07562, AC010849, AC007533, AL021393, AC004228, 281364, AC005081, AL031311, AC004996, AC005041, AC005015, AC005821, AC005856, L78810, AC007845, AC006449, AC020663, AC007688, AL049869, AL080317, AL024498, AO016026, AC005730, AL025575, AL050321, AC008394, AP000074, AC005911, U91321, AB020864, AC004694, AC004478, AC003007, AC006125, AC005088, AC004231, AL096773, AL133371, AC005971, AL031408, AL049776, AL023803, AC005531, AP000502, AL035072, AC005207, AC006079, AF047826, AP000692, AC002477, AL031230, AC004631, AC005280, AC005071, AL031295, AC004805, AF190465, AC005784, AC007421, AC000072, AC004150, AC005551, AC005632, AC002425, AC006121, D88270, AC004447, Z93930, U89337, AL078603, L77569, AD001527, Z94056, AL12020, AC004491, AC002301, AC005839, U72787, AC006227, AL022330, AL022238, AC004760, AL034429, AC005697, AL024507, AL031228, Z82976, AC004730, AC004043, AL074077, AC004685, AC005598, Z84466, AC004567, Y10196, AC006275, AC004031, AC004851, AC004598, AC005924, AL035587, AL133246, AL096791, AC007558, AL031680, AC009509, AC003002, AC004150, AC004032, AL021453, Z97876, AL049758, AC004473, AC005095, AL096701, 295331, AP000193, AL117354, AC005874, AF134471, AF064726, AL022396, AL022852, AC004517, AL121852, AC004209.

HSATC72	7528	761511	1 - 424	15 - 438	AL035696, Z98742, AC005736, AC006023, AC002365, AP000131, AP000209, AC002404, AC005288, AL049195, Z86090, AC005548, L78833, AP000117, AC006454, AL023553, AC009225, AC006277, AP000053, AC007151, AP000098, AC004990, AC005324, AL121658, AC002544, AL022476, AC000378, AC007686, AC008033, AC005070, AL021546, AC003037, AL022323, AC006236, AC023016, AC005726, AC005304, AL045304, AL050307, AC016025, AP088219, AL117694, U96629, AC007192, AC004797, AC005406, AL122127, U47924, AC005064, AC004000, AF207550, Z97630, AC004263, AL109847, and AC004985.
HPSAD92	7529	790524	1 - 419	15 - 433	AA036730, AW021633, AB66854, and AA122279.
HPSAB26	7530	429558	1 - 324	15 - 338	R05270, AW044641, AI167940, AW057522, AA371645, and AL035652. AA371620, AA371621, AI160117, AI268959, AA827231, AW263864, AA507169, AL037910, AI347810, AI673731, AI889923, AW408063, AA878149, AA526193, AI859834, AI150670, AI431434, AI43247, F32171, AI360514, AA217486, AA814510, AA437416, F17700, AI859946, AI049831, AW028908, H05073, AA557486, TI7269, AI908093, AA857381, AA136122, AW327624, AI979005, AL120976, T40799, R93640, AA553448, AI343143, H62778, AA148656, AA830594, AA508873, T32050, AI216054, AI538812, AA528480, W23546, T05769, AA122223, AI538540, AA492313, AI582890, AA663966, AI251111, AW029576, AI252506, AA845659, T40612, AI569692, AI276298, AA297538, CI4692, AI34313, AI623899, AW062724, AA279919, H5S878, AA827978, AA515224, AW19493, AA702618, AA501614, AA837646, AI832865, AI244254, AA916022, H57826, AA487542, AA769606, AA533408, N39097, AL079734, AT83911, AA347927, AW079809, AI821881, AI079129, AA720732, AI821918, AA716755, AI865213, AH73849, AA223249, AC005261, AI031846, AI008721, AC008498, AL033504, AP000502, AC006511, AF134726, AL080243, AC005180, AC004019, U91326, AC004841, AC006077, AL022326, AC004033, AL031767, AL031255, Z99291, U95740, AC005393, AC004967, AC005332, AL022318, AL133246, AL031733, AC002543, AL033392, AC005837, Z85986, AL049766, AC002073, AC002544, AC004675, AC007876, AL031650, AC007055, AL022353, Z98036, AC002036, AC006445, AC005951, AC005102, AP088219, AC006023, AC005154, L32588, AL022163, U51560, U73638, AC005406, AC006538, AB016897, AF091512, AL133448, AF001550, Z80896, AC002425, AC006322, AC005057, AL031685, AL031274, AC002549, AC006016, AP000356, AC007546, AC006571, AC005878, AC005088, AF064861, AC002119, AC007565, AC005358, AC000052, D32202, AC009464, AL109623, AC004453, U62293, AC002418, AL022165, Z85987, AL110503, AC004996, AP000302, AC006127, AL049872, AP000503, AL034549, AC005399, AF117829, AC007240, AC004386, AC005071, AC005037, AC005484, AB023051, AC006236, AC004878, AC006316, AC002045, AL049554, AL049641, AC007387, AC006013, AL035455, AC005082, AC002316, AL021706, AC004477, AC006398, AC002094, AC005740, AP000114, AP000046, AC007686, AL109829, AL035587, AC005197, AC003043, AC004659, AC005095, AF104670, AC005899, AC005551, AC005988, AC007934, AL035684, Z99716, L29766, AC002350, AC005004, AF186679, Z83364, AF107885,

| HPSAB24 | 7531 | 1 - 411 | AC003982, AL096712, AC005209, AC006285, U47924, AB020868, AC005325, AP000350, XF1342, U51281, Z82172, AP093016, AF196970, Z99774, AC007381, AL096701, AC005726, AC020663, AC004048, AC005702, U58675, AC005291, AC004602, AC006453, AC006539, AL121653, AL031848, AL121652, AC005091, AI003147, AL031281, AC002477, AC002429, AL133245, AC004884, AC005932, AC004032, AC016025, AC007237, AL121769, AC005875, AC000134, AL121658, Z97183, AF190631, Z93023, Z83838, AL109939, AL049776, AC004487, AL034417, AL008635, AL122003, AL021707, AC005755, AP000432, AL031230, AC005701, AL020995, AC005663, AC005839, AF001549, AL050332, AP000116, AL049546, AB000882, AC006166, U63834, AJ246003, AL023803, AC003029, AC005844, AC005768, AC003070, AC004859, AF207550, AC009178, AC000085, AC007671, AC004895, AL049589, AC005099, AL035089, AL049830, Z84480, AC007731, AC005255, AC005411, AC006080, Z99943, AC002465, AC005771, AC008012, AP000512, AP000700, AC005632, AF201337, AF069291, AC002347, AC001228, AC007993, AC002420, AP000113, AB001523, AL008715, AC006552, AF111169, AL079340, and AL109963. |
| | 518747 | 15 - 425 | AA371616, AA371617, AA626748, AW167330, AW164956, H07953, T74524, AW271069, AA501867, AI290552, AI284543, AA570740, AA483606, AW264901, AI251284, AI251034, AI251203, AA053463, AW408767, AA113126, AW303098, AI254770, W03333, AA568204, AI249853, AC006211, AI035587, AC002476, AC005488, AC005015, AL132712, AC005619, AF001550, AC002310, AC007774, AC005722, AC005940, AC002350, AC002203, AC004491, AB000658, AP000113, AC004216, AL109759, AL031295, AC006511, AC006509, AC005071, AL022316, AC005081, AL049759, AC005519, AL121658, AP000299, U85195, AC004418, AC004878, AC004966, AC007055, Z83846, AF134726, AL031662, AP000553, AP000695, AL133448, AC003010, AC006014, AC004973, AL133245, AL022312, AC006088, AC002375, U95742, AL136295, AC005736, AC006126, AC004453, AL030996, AP000696, AC006441, AC006006, AC003982, AI023807, AC005324, AC004905, AC007371, AL109628, AC005291, AL031848, AC005529, AL050307, U91318, AC007536, AC005516, AB023049, AC005899, AC004000, AC007308, AC004099, AC004883, AC006387, AC007216, AL049653, AC004990, AC005527, AP000692, AL033527, AL021154, AL031588, AC005920, AP000045, AF003626, AF205588, AF053356, AC004876, AC005971, AC006449, AC005037, AC004024, AL109984, AF111168, AC005856, AC004797, AP000501, AC006115, AL009181, Z95114, Z97055, AL049646, AC007030, AF001549, AC006011, AC007938, AC002425, AP000552, AC009516, AF045555, AF001548, AL021579, Z98304, AF129756, AL109627, AC006285, AC005231, AL022302, AL022326, AL035269, AL049794, AC005482, AC007151, AL035482, AC005011, AL035659, AC003036, AC005377, AC004832, AC004815, AP000512, AL133246, AL022327, AC000353, AF196969, AC002470, AC006001, AC009509, AL133445, AC004985, U47924, AC005280, AC005962, AP000350, AC007011, AC004791, AC002480, AC007842, AL031276, AC004448, AC002126, AF001552, AC016025, AC005796, Z84480, AL096791, |

HPSAB15	7532	503600	1 - 405	15 - 419	AC006077, AP000038, AC004025, AC007981, C99716, AL096712, AL022334, and AL139054.
HPSAA94	7533	793000	1 - 480	15 - 494	AA371610, R08528, R05340, and AC003070. AA371578, AA371577, AI380617, AA515048, AA176978, AA654874, AC00916, AL031681, AC006388, AC005049, AC007216, AP001549, AC004966, AC005225, U82828, AL031432, AC006333, AL023803, AC005778, AL049843, AL031427, AC006511, AF134471, AL133245, AF053356, AP000557, AL022336, AL035587, U52112, AC007225, AC004685, AL031295, AL034548, AC007371, AC005821, AC005971, AC004167, AC006141, AC005822, AC006449, AC007546, AL133744, AC005081, AF111169, AC006141, AC005102, AC004854, AC005562, AC006006, AC005529, AC004000, AC004953, AF111168, AC006480, AC005483, AC005409, AL022326, AL050307, AL022238, AF205588, AL109627, AF030453, AC000004, AC005694, U91321, U85195, AC005088, AC004983, AC006597, AF207550, AC006080, AC004253, AC004950, U91323, AC005089, AL022476, AC003982, AC006061, 293023, AL133382, AC005399, AC004687, AE000658, Z83845, U47924, AC004084, AC005796, AC020663, Z68756, AC006057, AC006312, AL023575, AC006040, AF038458, AC006211, AC000085, AC005920, AC002470, AC007387, AL031680, AL008582, AC002302, AC005670, AC002996, AL034582, AL022165, Z99289, AL078638, AC005280, AL096791, and AC002425.
HPSAA93	7534	867387	1 - 603	15 - 617	AA371576, AA371575, T80831, N63149, AV088557, AW300749, R96650, AA665304, A143131, AI537222, AI362442, AI369635, N71033, AI251576, AW297815, AI306232, AA833806, AA833875, AL049653, 298304, AC005921, AP001052, AL08242, AC002425, AC005722, AC007283, AC007690, AC004659, 295114, AC005529, AC004983, AP000692, AC005386, 293024, AC003669, AC005821, AP000355, AL031281, AC004841, AC005351, AC004099, AL022316, AC005632, AC007406, AP000039, AC005261, AC006449, AC004216, AP000280, AL133448, AP000555, AC002483, AC005015, 283844, AP000107, AL022326, AC002477, AF051976, AL109984, AL049829, AC004993, AC004106, AL049709, AC005280, AF109907, U91328, AC004707, AC004985, AP000356, AR036572, AL049776, AC005037, AC002352, AL021579, 299495, AC002350, AF111168, AC006101, AC005726, AC003042, AC004703, AL050332, AC005088, AC002395, 293023, AC004865, AC002045, AC005102, AC003108, AL049856, AC004020, AB015355, AP000065, AL022302, AL009181, U62317, AF001549, AC002533, AL073392, 295115, 283840, AL021977, AC005527, AC006023, AL049694, AL031289, U91318, AL049867, AC008040, AC007687, AC008101, AC007371, AC005839, AL079342, AC005695, AL034420, 298048, X64467, AC000025, AC004526, AC005004, AC007630, AC005670, AC005914, AC002984, AD001527, AL035079, AC005215, AC005520, AL022313, AC005620, AC006121, AC004832, AF134726, 299716, AC005740, AC004408, AC006057, L78833, AL133353, AC005874, AF134471, AP000152, AL031659, and AC007073.
HPSAA91	7535	503543	1 - 263	15 - 277	AA371574, and AA371573.
HPSAA75	7536	503544	1 - 303	15 - 317	R16798, AI247531, AI638195, AI209197, AA978119, AA371428, and AA551295.

HPSAA41	7537	503569	1 - 428	15 - 442	AA371564, and AA371563.
HPSAA30	7538	503567	1 - 454	15 - 468	AA749134, AA766711, AA824619, AA371550, and AA371549.
HPSAA03	7539	960941	1 - 547	15 - 561	AA371507, AA834650, AA371508, AA362349, AL021579, AL080243, AL049776, AF165926, AP000030, AC005071, AP000552, AC004797, 283847, AC006101, AC005821, AC005921, AC005562, AL034420, AC007536, AC005551, AC006236, AL031311, AC005015, AL121658, AC007546, 293023, AC004876, AC002126, AP000045, AC005089, AL031431, AC005899, AL049766, AC005519, AC004841, AC003488, 295152, 297054, AC004491, AP000113, AC004966, AL050307, AC004913, AC005829, AC005696, AL121652, AC006449, AL022476, AP000557, AC009516, AF053356, AL022238, AC002477, AC005902, AC000111, AC005231, AC009247, AC004084, L78833, AF111167, AC006965, U91318, AC004020, AF109907, 298885, AC005529, AL049697, AP000689, AC007371, AC006511, AC004671, AL109967, AC005064, AF196909, 298051, AL024498, AC005225, AC006255, AC006050, AL031005, AL049760, AC006121, AC005412, AC005057, AP000704, AC002551, AC005620, AF001549, AC002470, AF207550, AC003029, AC007878, AC004125, AL035086, AC002350, AC002312, AF031078, AC003982, AC004882, AC005086, AC004895, AF030876, AC008372, AC000353, AC002492, AC005837, AP000345, AL009181, AL035417, AC007151, AC006006, AC007308, AP001053, AC004858, and AC002352.
HNNTA24	7540	911178	1 - 1654	15 - 1668	AL037632, AI110760, AA524604, AL044340, AC287618, AI038990, AL138265, AF034176, AA708751, AL135377, AI866487, AW188427, AA311116, AA680243, AI963221, AL042905, AL042906, AA601155, AL135698, AL984258, AL047602, AC742815, AA608741, AA481760, AI745133, AA487068, AL119123, AI73212, AA584482, AW243793, AA223932, AA658844, AL119331, AA608612, AA102235, AA524821, AW151713, AI654588, AA487475, AW069819, AW079809, AW102811, AI310464, AI679294, AW405593, AI951863, AA608588, AI679871, AA723050, AL041706, AI457389, AA211734, U51704, AA133505, AW172908, AL046746, AI952885, AA665449, AA493641, AW080062, AI653525, AA126635, AI160144, AI016704, AA133332, AI694178, AA63491, AA113272, AW008089, AA534064, AI816537, AA224525, AA130647, AA643454, AA643457, AI054192, AI696793, AW277171, AW130036, AA838140, AI340641, AI499134, AA904211, AI583978, AW089861, AA046906, AA808796, AI433104, AA640277, AI157876, AA643452, AI801141, AA845659, AA456937, AW089625, AI913324, AI633490, AA577824, AI112963, AA632281, AA504898, AA513422, AI821881, AI821918, W96277, AW079792, N66012, AA206044, AA297145, AW129686, AI445934, N80210, N76766, AA584862, AF196779, AC004099, AC006241, AC005531, AC005412, AF207550, AC005808, 299716, AC004033, AI049869, AP000356, AP000556, AC005519, AL049776, AC005901, U95742, AC005071, AC006441, AC004805, U95740, AC005484, AC007216, AL024498, AL022165, AC005399, AI049860, AC007630, AC006079, AC002544, AF053356, 293244, AC002492, AP000049, AC009247, AC005562, AC007386, AL117258, AL035420, AP000311, AC005829, AC007225, AE000658, AC007011, AC004263, AL133399, 293023, AC008372.

HNHPF67	7541	1 - 461	AC005060, AL035683, AL031681, AF134726, AC008394, U85195, AI049867, AC004887, AP000116, AC006023, AC006511, AP000557, AF129756, AC004659, AC005800, AI109984, AL033521, AL133353, AC005280, U95090, AL080243, AF038458, AF001549, AI022721, AC005253, AC006449, AP000347, AC007228, AC004019, AI049829, AL031053, AC002418, AL109627, AP000466, AC006146, AC005209, AC005041, AC007435, AC005288, AC006102, AF165926, AL022320, AC004477, AL096701, AC005041, AC007226, AP000505, AC004386, AL122003, AC004687, AP000215, AL121655, AL117339, AC007308, AP000359, AL022476, AL031846, AC006597, AC009509, AL034421, AC003664, AC004854, AC005694, AC003684, AC004859, AL133448, AL031283, AL022328, AC006064, AC004253, AC002402, AC005839, AP000030, AC002540, AC005701, AL034417, Z98950, AC007384, AC002425, AL118497, AC002070, AL050318, U91326, AC004983, AC004876, AL132777, AC005520, AL008635, AC004686, AL031311, AC005089, AL049830, AP000346, AL136504, AC002430, AL049758, AC002996, AL022162, AL031291, U73167, U90094, AL049766, AC005224, AC005759, Z84467, AC004913, AP001054, AR031078, AP000509, AC006480, AC002059, AC005212, AC005180, L44140, AC002470, Z85986, AC000041, AC002117, AC005500, AC006530, AC005186, AC007546, AF030876, AL035400, AC005971, AC005529, AL049697, AF190465, AC004890, AC006512, Z85987, AC005387, AL049696, AL121603, Z97630, AC005988, AC000026, AC005841, AB023054, AL121653, AP000046, AC005081, AC007041, AC002115, Z83826, U78027, AC004590, AC005242, AC007536, AC008115, Z97056, AC007044, D84394, AC007842, AC007999, AL096791, AC004878, AC004150, AL021707, AC005702, AC004996, AL078477, AC005822, AC005907, AC004151, AL050332, AL031662, AP000503, AC004216, AL035072, AC007136, AL035086, AC004832, AC005899, AP000114, AL009181, AL049759, AC006430, AB020868, AC002400, AC002351, AC002543, AC005940, AL050307, AL035422, AC007237, AP000141, AC007676, AL049576, AF111168, AC003982, Y14768, AL133312, AC007277, AL022313, AC007731, AL133163, Y18000, AI003147, AC005678, AC008119, AC005406, AC005786, and AL035658.
		15 - 475	T97754, D80212, D80439, D59619, D80210, D80240, D80157, D81030, C14389, D80219, D80268, D80166, D80045, AA305409, D80022, D80248, D80133, D59859, D59502, D51423, D51799, D80253, D80188, D80247, D81026, C14331, C14014, D80195, D51060, D80366, D58283, D59927, D80391, D80164, D51759, D59787, D59467, D59275, D80038, D80043, AA514186, D80227, C15076, D80193, D59610, D57483, D59653, D80196, D80269, D59889, D51022, D50979, D80522, D80024, D60995, C75239, AA305578, D80378, D80302, AA514188, D80244, D80251, AW377671, AW375405, C05695, T48593, D80064, D45260, AW178906, AW366296, AW360844, AW360817, AW179328, C03092, AW375406, AW378534, H67854, AW178932, AW377672, AW179023, AW178905, AW177731, AW378528, AW178762, AW179019, AW378532, H67866, AW177501, AW177511, D51221, AW179020, AW377676, AA809122,

| HNHPD68 | 7542 | 974350 | 1 - 483 | 15 - 497 | D58246, AW352171, D81111, AW352170, T11417, AW178907, AW178908, AI525917, AW179024, D51250, F13647, D80949, AI525923, D80258, AW360841, D59503, AW176467, AW177733, AW360834, AW352120, AW178775, T03116, AW367950, AW178909, AW177456, AW179004, AW179329, AW178980, AW178986, AW178914, AW178774, C14227, AW178754, D59317, AW179018, C14344, AW352158, D80014, D80228, D59474, C14973, Z21582, AI525920, AW352117, AW378533, AA514184, D58101, D51213, D51079, C14957, D60010, C14046, AI535686, D80168, AW179009, AW179012, AW178911, AW378543, AW378525, AW378540, AW177722, AW352163, D9695, D59551, AW177734, D59627, AI525235, AW177728, C14407, D60214, C14298, AI525215, AI525227, AI557774, AI525912, AW178781, AI525242, AA285331, AP10186, AW378542, AI557751, AI525925, AI525222, D51053, C05763, AW378539, D45273, C16955, Z33452, T02974, C14077, AI905856, AA305720, C13958, Z30160, AW360855, AI525237, H67858, C04682, T03048, T02868, AW369651, AI525216, AI525928, F13796, D80314, D31458, N66429, AI525238, D50981, AR018138, A62298, AR008278, AF058696, A82595, AR060385, A84916, A62300, AB028859, AI132110, AB002449, I50126, I50132, I50128, I50133, AR060138, X67155, AR016514, D26022, A43192, A43190, AR033669, A67220, I14842, A25909, A45456, YI7188, A94995, A26615, AR052274, Y12724, AR066488, AR066487, Y09669, D89785, A78862, D34614, A30438, AR008443, AR054175, YI7187, AR016808, D88547, A63261, AR008277, AR008281, D50010, AR062872, I82448, AR008408, AT0867, X82626, AR016691, AR016690, U46128, A64136, A68321, AR025207, I79511, X72378, D13509, AR06013, X68127, AF123263, AR032065, and AJ000347.

 AA678653, M62281, AA573185, AA599209, AA636049, H47716, AI521649, AI126075, AI400888, AA356989, AL137994, AW419403, D82794, H70162, AA745961, AA843874, AL048508, R94977, N79242, T95826, H79669, AL043039, AI180541, H73186, AW090739, AA309370, H83162, H54821, AI439860, AA558270, AI088796, AW190486, AI348417, AL139165, AC004788, AC007092, AC004823, AC007243, AC000124, AC005370, AC012099, AL049743, AC004470, AP000433, AC006371, AP000949, AL022161, AC009891, AP000568, AL035469, AC007364, AC004014, AF064860, AC002453, AC006288, AC005518, AC007372, Z83848, AL049837, U40455, AL110505, Z93928, AL109759, AC008168, AL035258, AC005999, AL049734, AC005235, AC003082, AC229042, AF015262, AC007262, AL022397, AC004806, AJ229043, AC006054, AL031114, AC007344, U53930, AP001039, AC007091, AL021307, Z93019, Z72001, AC002357, AF044083, AC007628, AL035593, AC002080, AF002997, AC006484, AC008067, AC008498, AL132777, Z83843, AC006548, Z80771, AC006016, AC003958, Z83820, AL034369, AC007317, AL022153, AC004055, AF029308, AL135687, AL031319, AC002463, AL109799, Z70225, AL021068, AC007671, AC004894, AL030996, AC004673, AL121823, AC007535, AC003087, AP000517, AL022401, AC008170, Z82200, AC004981, L78742, AC005243, AB023054, AC011331, AC000117, AP000884, AL031673, Z70227, AC002483, AC005610, AC007397, AC002488, AC004782, AL079334, AC003016, |

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HNHOX01	7543	915303	1 - 186	15 - 200	AL035091.
HNHOV24	7544	974344	1 - 528	15 - 542	AA632511.
HNHOQ36	7545	859824	1 - 460	15 - 474	AI792564, AI053778, N73203, AA077619, AI018726, N57709, N73060, AA757621, R83708, AI362442, H01852, T60940, AI078143, H37821, AA525331, AI473549, AI128439, AA774098, AA301899, AA584445, AA297776, AI017733, AW137645, AI246061, AA501617, AA569157, H63066, AA904211, AA321595, AI054090, AI138252, F36200, AA516192, AI249853, AA862029, AI284543, AI273675, AI254770, AA653713, W23432, AI251944, AI251034, AI251203, AI268564, AI251284, AW276933, AI085095, AI250552, T03928, AW102930, AA588353, AI138918, AI471597, AW084004, AA741020, AA832016, AI275982, AI371804, T69022, AA557984, AW247089, AI289050, AI284092, H57324, AW192518, AI003988, AL037777, AA728911, AA715508, AA831801, AI949319, H25626, AW152172, AI963408, AA44979, AA225548, AA633565, W63553, AI679759, AA610351, N55041, AA564256, AL036070, AW243808, N50710, AW080772, F17537, AI079894, R25708, AA525949, AI679045, AA975915, AA664248, AI679094, F25348, AA182629, AI052611, AW24898, AI431303, C14599, AA598608, AA682536, AI432851, AI537931, AI459866, AA135988, F33126, F25640, AI798242, C14880, AA814719, AA468494, AW089054, AA449460, AA226346, AI251741, T08386, AA679173, AI613285, AI223626, AA348859, AA219542, AA362791, AI042869, AA776548, AA115655, AW303098, AI889579, AA65291, F33248, AA857812, AA832152, AA084679, AW168699, AW248724, AA846014, AA132929, AW167909, AI917891, AF043251, AF050154, AC005494, AC002057, AF207550, AP000337, AC005233, AP000215, AL022336, AC001228, L13712, AL133445, Z83844, AP000321, AF024534, AL109963, AC002126, AP000121, AP000167, AP000052, U82671, AL022238, AC004500, AL096710, U80017, AC005899, X51956, AC002994, AC006512, AC004098, Z95118, AC006530, AC007058, S77605, U91324, AP000008, AP000704, AC004967, AC002430, AC007334, AC008064, AP000555, AC005328, AC002369, AC005589, AL021368, AC004462, AC006388, AL109852, L77570, AF196970, AC004817, AL132712, AC004686, AL117258, AC007664, AL021707, AL022724, M57627, U16720, AL109802, AC004034, AC004234, AC003692, AL109956, AL031428, AL022327, AC004997, AL031005, AL050338, AC005587, AC006318, AC005585, AC010205, AP000501, AC007277, AC007686, L29074, AC006430, AC005736, U72845, AB014540, AP008915, AF135025, AC005190, Z49154, AL050404, AC004186, AC003047, AC006132,

HNHOP92	7546	790911	15-734	AC005514, AC004560, AL035462, L14561, AL022237, AC005600, AF005627, AF024533, AL118516, AC004084, AP000359, 283841, AC002072, AL050307, AC005086, AL049759, AC007993, U52111, AC022517, AC005088, AC007226, AL049779, AL049780, AC007055, AC005516, AC008040, AC009248, AL050012, AB014460, AP000297, X60459, AC004653, AC004651, Z98051, AC007360, Z98048, AP000044, AP000112, AC002996, AL049760, AC004985, AC004682, AC004637, AL023879, AC005232, AC006130, AC002404, 273420, U73634, AC004009, AC003959, AF191071, AL031597, AC004797, AL035414, 283826, AL096773, AL031311, Z86064, Y08757, AC002472, M87909, AC004030, AL035450, AC007421, AC008122, AL109620, L78833, AL031680, AC003950, AF064861, AP000517, AC002558, AP000692, AR036572, U91328, AC005666, Z69653, 249236, AL109801, AP000517, AC002558, AC004650, D64108, S61836, X89398, AC005559, AL118498, 282180, AC003048, AC006277, AC004650, AL022320, AL034418, Z84474, AL121593, U91319, AC004520, AC005288, AL078463, AP001052, AC002543, AL020995, AL008627, AC004383, AC005146, AC004674, 284488, AC009044, AC007637, AL113650, AC006536, AL049874, AC008009, AC007225, AL022329, L35532, AL005577, AC002107, AC002106, AP000065, AL031315, AC009181, AL121852, AL121754, AC006511, AC002307, AC007934, and AP000553.
HNHOP88	7547	974327	15-523	AA176629, AA515744, and Z83851.
HNHOP32	7548	974330	15-516	AA515610, AI230815, AA330576, AA353402, AA578326, AA169232, AW192471, AA584241, AI379710, AA481147, AA480974, AI832832, AA493464, AI917658, AA133952, AA427747, AI671178, N27362, AW148964, AI049999, AW169183, AA209438, AI453476, AA995373, AI869406, AA594164, T57562, AA848131, AI696455, N76712, AA570037, F37050, AA879022, AA167656, AA916556, AA348889, AI061203, AA573067, T05143, AA084320, AA132929, AA225645, AA218684, AI679082, H65404, AA525879, AW243817, AA632621, AA600127, T54552, F36482, N26159, AI216981, AI801563, AA171400, AA977385, AW338376, AA861184, AI732327, AI890297, AI860648, AI925617, AI879968, AA436940, AI890091, AA280198, AW074332, AA513565, R80053, N86047, T77378, AI038577, AA564253, AI952574, AI204310, AA362439, AI719985, AA528507, AI271693, AA713720, AA425283, AA584360, AI434103, AA829565, AI907506, AI610082, T26553, AI126238, AA381948, AI572680, AA661583, AA774398, L48866, AI354369, AI016434, AW021674, AW006527, AA687565, AA553389, AA749062, AA640104, AA338436, N49298, AA099785, AW243808, AI086229, AA088900, AI952885, AW273177, AA303002, AW080062, AW273235, AA099801, AA629107, AA423731, AA523719, AI223242, AA524604, AI079682, AW162314, AW162332, F05050, AA34203, N76093, H68017, AI560063, C15279, AI672515, AI967976, AI754926, AA362670, AA854222, R16061, AA115769, AW406180, AI800189, AI955861, AA527391, AA313066, AA634882, AI818921, T03774, AC00477, Z99716, AC005412, AFI65142, AC006544, AC009247,

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| HNHQI63 | 7549 | 838790 | I - 849 | 15 - 863 | AC000159, AL096761, AL080243, AC004000, AC005280, AB025285, AF053356, AC005776, AC002312, Z93017, AC003029, AL133371, AC005005, AL109952, U89337, AC005262, AL031680, AC005082, AP000547, AP000359, AC004858, Z98200, AC018769, AL078639, AL049776, AC006285, AL133246, AC002310, AC007676, AC004254, AL109758, AC005899, AL096775, AL096701, AL117338, AC005406, Z93241, AL035455, AF109907, U80459, AC002316, AC004967, AC007066, Z93928, AC005562, AC004905, AC005104, AC009516, AC005519, AC006251, AL035460, AC004771, AP000014, AL049643, AP000501, AC008101, AC007546, Z97876, AC008079, AL024498, AC002472, AC005884, AF088219, AL096703, U91326, AC002350, AC005041, AC007277, AC004814, AP000700, AC004256, AC004090, AC003982, AC005666, AL020997, AL021069, Z84466, AC005971, U52112, Z83840, AL078474, AC005839, AC004821, AC007238, AC007283, AC006501, AC006388, Z83823, AC007227, AC002425, AC000120, AP000563, AC005730, AL035588, AC006942, AC002470, AL049576, AL035252, AP000350, AC005102, AC005790, AC003963, AC004938, AL049869, AC005011, AC002531, AC020663, AC005600, AL033392, AC004605, AC006013, AP000133, AP000211, AL008710, AL078581, AC010582, AL031281, AL021453, AC006946, AC005190, AC002461, AL049871, Z97352, AP000251, AC005231, AC007236, AF111169, AC003962, AR036572, U91328, AL133245, AC003101, AL031678, AL031729, Z98742, AC002418, AP000557, Z83822, AC003667, AC004150, AC002550, AB023051, AC002404, AC004816, AL034349, AL021407, AL024474, AP000240, Z93930, AL078621, AL135744, AL049757, AC000199, AL021393, AL049856, AL109627, AC002039, AC012099, Z99297, AC007240, AC004076, AC006166, AC005754, AC002457, AC004386, AC004034, AC000111, AC005065, AC005703, AP000030, AP000012, AP000134, AP000704, AC005067, AP000962, AL035690, AC002544, AC002040, Z98048, Z98048, AC002553, AC003992, AC008085, AC003956, AC004383, and AL109963.

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AA594145, AI282832, AW167372, AW162489, AI951863, AL038474, AW304584, AI732186, AI287451, AW23827R, AI624142, AA714453, AI287651, AI732764, AI557506, AW148792, AA523843, AW276817, AI499181, AA515829, AW407578, AA577906, AI708009, AI623898, C05986, AA52190, AL039958, AA340747, AI446464, AA468131, AI286356, AI801591, AI291124, AI469003, AW079135, AW020340, AA598586, AA744031, AA921476, AI623288, AA084070, AI469172, AA679124, AI291268, AI761471, AI362368, AA350859, AH499938, AI590958, AW157651, AA525824, AI928898, AI064952, AA587256, AI890918, AI564454, AW072587, AI969436, C05755, AI670878, AA584082, AI674873, AL119295, AA613227, AI653886, AI355224, AW302013, AI865905, AA837084, AA582911, AI279165, F34498, AW022379, AI336660, AI590689, AA908422, AW168342, AW238583, AL135405, AI919265, AI559705, AA977743, AA599920, AL041706, AL121235, AA584167, AI866908, N25296, AA483771, AW265170, AW103758, AA426277, M86143, AI798473, AI663025, AA491831, T07287, C13988, AI633390, AI049634, AI439360, AI539563, AA569387, AL048142, AF150152, AI246796, AI287528, AA126035, AW265009, AA629992, AA621858, AA126051, D83989, AC010170, U18393, AC005154, AC004638, AC005815, AC004381, AC007514, AC007510, D87675, AP000090, X54175, AC005250, AL133399, AC004650, AC005527, AL080243, AC006960, AF015151, AC007298, AF015156, AL121603, U18399, AP015147, A39972, X55926, AF039907, AC003085, AC004940, AC004010, AL023882, AC002041, U66059, AC005406, AC005740, U18394, AL022400, AC005821, AF015167, AL023581, AF007058, AC000353, AC002429, AF015158, AF015149, AC005362, U18391, AC006292, AC002430, AC006312, AL022163, AC005291, U02531, AC007384, X55921, AC002470, AC002540, X54181, AC008115, AC006213, AC005839, I51997, U57009, AL035688, X75335, AL080248, AL109865, AL121694, U18395, U67233, AB020859, AC004069, AL024507, X55925, AC008372, AC005881, AF196779, AC007216, AL049742, U72787, AC004879, AF015153, AC004953, AC004626, AC004931, AC002091, AC006273, AL117258, U47924, AF029308, AL031733, U12580, X54180, AC006121, AC005295, AC011504, AC006548, U57005, Z86061, AP001051, AC007043, AL096776, AF001549, AC004765, AL022721, AC004987, AL049712, AC007666, AC002402, AC003007, AP000965, AL109618, AP001053, AC005913, AC007151, AL031311, AL035458, AL034420, AF227510, AL003147, AC006040, AC004859, U12584, AL035694, AC005692, AD00812, X53350, AL022328, AF123462, AL049829, AL034384, AC005529, Z82216, AC000025, Z94277, AL021940, AC005324, AL121934, AC007488, AL117330, AC007243, AC002549, AC006371, AC004028, AC007099, AC007376, AL035665, AC004019, AC005184, AC007845, AC004008, AC002126, AL049709, AC000052, AC002133, U69730, AL031281, AC007877, AF015157, U67221, AL035425, U18392, AC004228, AC023755, U91323, AC005242, AC005632, AL110502, AC006989, AC005563, Z98051, AI015150, AC002504, AC004592, AC009069, AL008720, AL049562, AC016025, U18398, AC006210, AL022147, AC005246, AL031286,

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HNHOI07	7550	952285	1 - 551	15 - 565	X76629, AC003088, AI031584, AF015170, AP000328, AC004963, AP000473, AC004686, AC016026, AI049776, AL050308, U57006, 281369, AI021918, AC008064, AC004502, AP000359, AC004990, AL121591, X88791, AC005209, AC005754, U67225, AI049569, AC006288, AC004690, AL035448, AL034554, U57008, AC006195, AC006390, AC007030, 298046, AC005919, AC006501, AI022722, AL009172, AP000291, AC005701, AL023284, AC005057, X55931, AC002310, AC006344, U12582, AC005829, AL022302, AC007999, AC003664, U12583, 281364, AC005284, AC005565, AU07929S, U67231, AC007226, U62293, AC010722, AC000066, and AC004167. AA209360, and Z85994.
HNHOP94	7551	948720	1 - 772	15 - 786	AW407632, AI687343, AA678950, AI284640, AW193265, AI046409, AI613280, AI270117, AI305766, AI350211, AI963720, AI431303, AI610159, AI754653, AA828704, AW276827, AI814735, AI334443, F29989, AW303196, AI251034, AI250552, AI284543, AA491814, AW103758, AI375710, AI345418, AW301554, AI245693, AW301350, AI251284, AW274349, AA502860, AI345654, AW327868, AI251203, AA469451, AI688846, AI890348, AI223626, AI619997, AW193432, AI144101, AW302013, AI499938, AW438643, AW303098, AI341664, AA806796, AI061334, AI254770, AI826761, AI358343, AW303176, AA847499, AI289067, AW088202, AW406162, AI471481, AW268973, R17793, AI613389, AL041690, AI754955, T74524, AI633390, AA503283, AI601229, AI570261, AW419262, AI049634, AA578861, AA743968, AL037683, AW088846, AW340905, AI246409, AW408767, AI537800, AA630925, AI053672, AW276435, AA682912, AI085719, AL044940, AI355007, AA811741, AI298710, AA719524, AI830390, AL119691, AA502963, AT08009, AA745326, AA570740, AA483606, AA623002, AA713891, AW023111, AI889781, AI281697, AA577906, AI744995, AA581903, AA568204, AA635433, AA720702, AA503284, AA50325S, AI344844, AI199816, AI345681, AI754658, AI345675, AI434706, AA225246, AI251241, AI589230, AA584752, AW339533, AI490183, AA904211, AI955323, AI86001S, AI33464, AW407578, AI344812, AI048925, AA084609, AA812139, AW008317, AI492166, AI042420, AA594145, AA758934, AW276817, AI434695, AC016026, U57008, AL031123, AL021393, AC005200, M37551, AC005520, U18394, D83989, AC007999, AF015147, U57009, U18395, AC005488, AC006241, AL023656, AP000117, AC002455, U57005, AC004152, AC004814, AL031121, U18391, AP001172, AC002470, AC008008, AF015157, AL022322, AL031680, AC004650, AC005913, AC006213, AC005291, X55925, AC007676, AL049795, AL034549, U18392, U57006, AF077058, AC006251, U18393, AL049766, AC000003, AF015156, AC002430, AB023049, AC005280, X54176, AC005288, AC005535, AC004675, AC006430, AL008629, AC005231, AC005914, D84394, U18387, AL035587, AC007384, AC004263, U18398, AC004929, AF088219, AC008219, AC005288, AP000193, AC005046, AL121653, AL008716, U57007, AC003983, AC016025, AC005900, AC003074, AC006019, AL031729, AL121603, X55926, X54181, AC007541, X54180, AP001054, I51997, AC004234, X75335, U18399, X55931, X53550, AL109801, AL033543, 298742, D87675,

HNHNPT20	7552	773683	1 - 265	15 - 279	AP000557, AL030997, AL035659, AC009516, AP000359, AP000493, AC000052, AC004815, AC005756, AC005193, AC002538, AC004228, AC007677, AC005544, AC004000, X54175, AL031005, AL096701, AC004638, U18390, AP000555, AL035079, AC005190, AC016830, AC004134, AC002289, AF222685, AC005632, AF015151, AC004019, X54178, AC006285, AC005089, Z82190, Z97632, AL050341, AP000345, AP000501, AC005088, AC005778, AC003684, AL022097, AC005387, AC005015, AC005745, AL023807, AC007227, AC007666, Z97352, AL078463, AC008079, AC008101, AC004002, AF222684, X55924, AC005484, AL031311, AC002985, AL079340, U73630, AL096861, AL022302, AC004686, U91326, AC005829, AC004832, AC004858, AP000328, AC005808, AC004643, L78810, AL031391, AC004946, X55930, U63630, Z93241, AP000020, AP000161, AL049588, Z98051, AL023804, X55927, AC006511, U95742, AC002041, X54179, Z82976, AL021707, AF200465, Z83840, AP000512, AL109865, AC005072, AC006501, AC004890, AC002404, AC002094, AC005323, U95739, U02532, AL031650, AL021939, AC009263, AC006002, AL109985, AF196969, AL021453, AC006487, AC008115, AC005620, AC002400, X55932, AP000013, AP000154, AC002300, U34879, AC007216, Z81369, AL021977, AL078477, AP000239, AL023575, AL096776, AC004963, AC000111, AC000025, AL031848, AC009247, AC005837, AC002504, AF124523, AC007690, AC004884, AC007204, AC005527, AF015153, AC006101, AC006088, AC007298, AC005666, AC000115, AC004028, AC005821, AC006160, AL022163, U67801, AP000044, AL079295, U52112, AC009547, AL035361, AC005784, AC000476, Z84469, AF109907, and AP000112.
HNHNQ08	7553	958377	1 - 422	15 - 436	T63118, AW137918, AW003112, AU968073, AL134462, AA514255, AC003007, and AC005632.
HNHNP81	7554	928378	1 - 604	15 - 618	H70153, and AC006071. D51060, C14014, D58283, AA305409, D80253, D80024, D80166, D59619, D80210, D80240, D80366, AA514186, C14389, D80043, D81030, D80013, D80247, D59859, D80212, D51799, D80164, D80219, D51423, D80022, D80391, D59787, D80195, D80188, D80248, C14331, D59502, D59467, D57483, D59275, D59610, D80227, D81026, D50995, D80196, D80439, D80251, D80269, D59889, D51022, D50979, D80268, D80522, C15076, D59927, AA305578, D80038, D80193, D80045, D80241, AA514188, AW360811, D80378, AW177440, D80302, C05695, C14429, AW178893, AW377671, AW375405, D80157, T03269, C75259, AW178906, AW179328, AW366296, AW360844, AW360817, D59373, AW375406, D51103, AW378534, AW179332, AW377672, AW179023, AW178905, D51759, AW360841, AW378532, D58253, AW177731, AW177501, AW177511, D80132, D80134, AW352171, AW377676, AW352170, AW178907, AW378528, AW178762, AW179019, AW179024, D51250, AW170467, AW178983, AW177505, D81111, D59653, AW179020, AW178775, AW36767, AW369651, AW178909, T48593, AW177456, AW179329, AW178980, AW178914, AW177713, AW178908, AW178754, AW179018, C06015, AW352158, AW352117, D80949, AW178774, D59695, D52291, D45260, AW352120, D59627, D51079, AW179004, AW179012, AW378525, AW352163, F13647,

HNHNP66	7555	918684	1-324	15-338	AW360834, T11417, D80064, Z21582, D80168, C14298, AW378543, AW352174, D80258, AW177728, H67854, C14227, AW179009, AI525923, AW367950, AW178911, AW177722, D59503, AI910186, AW178540, C03092, H67866, AA809122, AI525211, AW178781, D58101, AI905856, D58246, AW177508, C14407, D80228, AI525917, C14077, AW178986, AW177497, T03116, AI535686, AI535850, D59317, D51213, D80014, D59474, AW177734, AI525920, D45273, AW177723, C14973, C14344, AW378533, AA514184, D59551, C14957, AI525215, D60010, AI525235, D60214, AI525227, C14046, AI557751, AI525912, T03048, AI525925, D51097, AI525242, AA285331, AW378542, AI525222, AW378539, Z30160, C16955, C05763, Z33452, T02974, D51053, AW360855, H67858, AI525237, C04682, D50981, T02868, C13958, AI525928, D80314, AI525238, A62298, AB028859, AR018138, AI132110, A62300, AR008278, A84916, AF058696, A82595, AR060385, AB002449, D89785, X67155, Y17188, A94995, D26022, Y12724, A25909, A67220, A78862, D34614, AR008443, I50126, I50132, I50128, I50133, D88547, AR066488, AR016514, AR060138, A45456, A42615, AR052274, X82626, Y09669, A43192, A43190, AR038669, AR066487, A30438, I14842, AR025007, AR054175, D50010, Y17187, AR066490, AR008277, AR008281, A63261, I18367, AR008408, AR062872, A70867, AR016691, AR016690, U46128, D13509, A64136, A68321, AR006133, AB012117, I79511, X68127, U79457, AF123263, AR032065, Z82022, Z63887, and AR008382.
HNHNO01	7556	915358	1-380	15-394	AI247886, and AI133558.
HNHNM39	7557	950971	1-385	15-399	AI186854, and AC006453.
HNHNK02	7558	918715	1-499	15-513	AI124612.
HNHNJ24	7559	859836	1-389	15-403	AA814193, AI523747, AI699155, AA861134, Z38674, and AW129261.
HNHNI09	7560	800482	1-517	15-531	Z65490, AA381008, R09526, D59502, D80195, D80164, D80166, C15076, D80022, C14389, D81026, D80193, D59619, D80210, D80240, D80045, D80188, D59467, D59275, D80227, D81030, D80212, D80219, D58283, D59859, D80391, C14431, D59787, D51423, D51799, D80253, D80043, AA305578, D80269, D80038, D80196, D50979, D59927, AA514188, AA305409, D59610, D57483, D80378, D80366, D51022, D50995, D59889, D80024, D80439, D80133, AW360881, D80248, D80251, D80522, D51060, AW177440, D80241, AA514186, C14014, AW178893, D80247, D80302, AW375405, T03269, D80268, AW366296, AW177456, AW377671, AW179328, AW360817, AW377676, D51103, AW375406, AW378534, AW179332, AW377672, AW179023, AW178905, D80157, AW178762, D80132, AW378532, AW352171, C06015, AW352170, AW177731, AW178907, AW378528, AW179019, AW179024, D80168, D51759, D51250, AW178906, AW179020, AW178990, AW177713, AW178908, AW179018, D59695, AW177728, C03092, AW369651, T48593, D80134, D80949, D52291, D58253, AW178914, AW178774, AW378543, AW378525, D80258, D59503, D45260, AI525923, AA809122, AW178781, AW178911, AW378540, AW352163, H67854, H67866, A60834, AI525917, D59627, T03116, AI905856, AW367950, T11417, C14407, D59317, C14077, D80064,

HNHNH51	7561	974343	1 - 324	15 - 338	D81111, AI535686, D58244, AI525917, AW178986, C14227, D59551, D80014, C14973, C14344, AW378533, D51221, D8101, D59474, AI525920, D51213, AA514184, AI525925, AI525227, AI557774, C14046, AI525242, AI525235, AI525237, D45273, AI525912, AA258331, AW378542, T03048, AI557751, AI525315, D51097, C13958, C16955, C05763, T02868, Z33452, T02974, Z21582, C14298, AW360855, H67858, D3145B, D23160, A84916, AI883859, AJ132110, A62300, A62298, AR018138, A008278, AF058696, A82595, Y12724, AB002449, AR060385, X67155, YI7188, D26022, A25909, A67220, D89785, A78862, D34614, I50132, I50126, I50128, I50133, D88547, A94995, AR008443, AR066487, Y09669, AR066488, AR016514, I14842, I82448, AR060138, X82626, A45456, A26615, AR052274, AR016808, A43192, A44190, AR038669, A30438, AR054175, AR025207, YI7187, A63261, D50010, AR008277, AR008281, AR062872, A70867, AR080840A, AR016690, U46128, I79511, A64136, K68321, A44171, AB012117, A85396, D88507, AR066482, D13509, AR060133, A85477, I19525, A86792, I18367, X68127, X93549, U79457, AF123263, and AR008382.
HNHND85	7562	870121	1 - 943	15 - 957	AC003971.
HNHND81	7563	974334	1 - 404	15 - 418	AA071005, AA071202, AW073232, AI239470, AI699750, AI961252, and AI480252.
HNHND07	7564	952273	1 - 411	15 - 425	H73026.
HNHNB92	7565	790945	1 - 395	15 - 409	AW452255, AA458631, and AW340986.
HNHNB85	7566	783887	1 - 446	15 - 460	H91962, AA203711, AW237711, AI566217, and AW378142.
HNHNB02	7567	918709	1 - 246	15 - 260	T70858.
HNHMZ49	7568	859842	1 - 694	15 - 708	AA136727, AA683031, AA229218, AI471543, R45882, AA229121, AI567674, AI924251, AI041895, AA838140, AI053790, AL120269, AI051526, AI799545, H58149, T59285, AW406447, AI671077, AW131249, AW102955, AA469441, AW247819, AI907046, R08190, AL045053, Z33541, AA284179, AA563818, AA225634, AA076632, AA075754, AA344161, AA102235, AI740499, AI281401, AW086465, AA693450, AI859744, Z78385, AI284640, AW238733, H80899, AA196573, AA317170, AI205126, AA558697, H64560, AI749284, AI435507, AA340003, AW248523, AA362917, AI499094, AA586655, AW069807, AA165462, AI286356, AA601355, AW074398, AA663306, H86264, AL047602, AA059154, AI471481, H86301, AW103415, AW406162, F29989, AA483034, AW276435, AA441788, AI246541, AA299115, AA229188, W60516, AA669251, AA004218, AA916039, F36273, AI049722, F32705, AA350859, AW080134, F32395, AA563617, AA714595, AA099892, AA470985, AI251002, AA229785, H64777, AI435544, AA649642, AA652057, AL038785, AI282832, AW338869, AA605274, AI890923, AA587256, AW264973, AA364456, AI688846, AI339850, AA176924, AL118947, AA557325, AI929531, AW295432, AA515435, AA831388, AI515051, AI289067, AA177061, AW419262, AI962050, AI053672, AA515435, AA042753, AI371070, AW419118, AA133443, AW193265, AW162049, AI312149, AI043721, AW265197, AI341664, AI358343, AI110770, AA112299,

HNHMY52	7569	975207	1-610	15-624	A1904894, AC006312, AC005924, AC006071, U92032, A1050318, D88270, AF001549, AC003026, AL035683, AC004876, AL078638, AC005484, AC005284, AC002994, AC004253, AC008079, AF111168, U47924, AL049636, AC004459, AC005081, AC007565, AL078460, D86992, AP001068, AC006023, AL034400, AC006088, AL049709, AC004816, AC008101, AP000303, AC004889, AL031286, AC007707, AL078624, AC005839, AL022323, AC005251, AF134726, AC005261, 298200, Z84480, AL049647, AC007240, AP000114, AP000046, AC005207, AC006241, AL031289, AC007384, AL133382, AC002430, AC007687, AC004967, AC004893, AC004263, AC004099, A1011930, Z49235, AL031681, AC002404, AC005632, AC005488, 297630, AC007384, AL049712, 295118, AP000694, AC004883, AL031662, AC006537, AC005089, AC005215, AC005776, AC005792, 297055, AC007450, AC005881, AC005102, AC002117, AC016026, AF111169, AC003983, AC008072, AC002425, AC005902, AC016025, AC004408, AC005919, AC004946, AF117829, AC006538, AL078644, AL139054, AP000553, Z86090, AF031078, AC009263, AC005520, AC005025, AP000355, AC004159, AC002375, AL109963, AC006012, AC006285, AL133500, 298750, 295152, AF030876, AL022394, AC004955, AC004686, AC006132, AC002094, AL132718, AC004033, Z49236, AC006006, AL020994, AL109967, AC004832, U80017, 298051, AF003626, AL031431, Y07848, AL08735, AC006233, AC007308, AL135744, AL133445, AL031584, AC007993, AF196779, AC003101, AC007358, AC007038, AP000362, AL049758, AL035681, AC002549, AC005527, AC005288, AC002400, AC005841, AL035458, AC005057, AC005225, AC005358, AD001527, AC006251, Z83382, AC005832, AC002482, AP000512, AL110502, AC002477, AL049745, AC002072, AL096791, AL117391, 297054, AL034402, AL008582, AC007283, 298742, AL035091, AC005231, AP000557, AC005154, 298036, AC004859, AC006344, AL121603, AC006111, AC006512, AC005899, AC004167, AC002470, AF181897, AC002492, D83253, 299716, AC003006, AP001054, AP000008, AL031056, AP000502, AC003104, AF129756, AL035417, AC005525, AP000704, AL021154, AL022476, AC006117, AL031777, AC005249, AC008124, AC005300, AL034548, AC005529, AC005800, AL133238, AP000352, AC004770, AP000009, AC007541, Z85987, AC021092, AL121653, AC005004, AC006014, 298941, AL080243, U15422, AL049569, AC005625, AC005043, AC005695, 298884, AC008009, AC012599, AL022722, AC002565, AC004783, AC005180, AC005003, AC003070, AC005332, AL096712, and AC007685.
HNHMS26	7570	975206	1-437	15-451	AA410788, AL355246, AW275432, A1224619, A1917132, A1859906, A1056177, H29914, A1190648, AW419389, A1612802, F35684, A1599080, A1169245, A1315361, A1362442, R67701, A1754767, A1282479, A1312090, AA719564, A1312784, AW166611, AA228778, F30158, AC003041, 299943, AC005913, AL096702, AC005940, AL031589, AC006252, AC010205,

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HNHMQ86	7571	784986	1 - 413	15 - 427	U63721, AC005409, AL121852, U62292, Z84487, AJ003147, AL133244, AF111163, AF031078, AP000510, AP030876, AC004491, AP000694, AL049759, AP000689, AC005284, AC002253, AB003151, AC006312, AC007066, AB023048, Z85986, AF196779, AC007546, AL035697, Z98752, AC005037, AL109628, AC006480, AC005088, AL035683, AL049776, AC005057, AC006115, U93305, U62293, AP000505, Z93244, AC005015, AC005019, AL033527, AC005324, AC007277, AL049743, AC003029, U91318, Y14768, Z98044, AL109827, AL035455, AL031295, AC005081, AC005332, AL022336, AC004181, AC007242, AF053356, AC006163, AL078638, AL133448, AC003042, AC005921, Z95331, AL049835, AF207550, AF117829, AC007773, AF190465, AL022318, AC005209, AL132712, AC004596, AL031584, AL117694, L44140, AL096829, AC004106, AL022313, AL133246, Z97054, AC004099, AC004891, AL109865, AC005225, AC004382, AC004686, AC002470, AC004000, AC002395, AL109984, AC007227, Z98946, Z97634, AC005736, AC006255, AL049636, AC005027, AC002492, AL078593, AP000692, AL135960, AJ131016, AL035659, AC005379, AC005704, AC004953, Z95114, AL049830, AC009516, AC002365, AL008635, U85195, AC005821, AC005089, AF001549, AL050307, AL109801, AC004257, AL035086, AC002425, AC005696, AC004797, Z94161, AC002990, AC007528, AC005828, AC004020, AC008989, AL096701, AC007285, AC005200, AL034420, AC004447, AE000658, AL031657, AP000704, AC003685, AC006449, AC004656, AC005516, AP000354, AC005399, AL022721, AC007283, AF165926, AC004765, AC005358, AC002312, AL139054, AC006213, AC006125, AC007225, AP000553, AP000506, AC003101, AL035685, AJ246003, AC005872, AL033429, AP000008, AJ251973, AP000501, AC004417, AP000148, AF030453, AC010453, AL121652, AL080243, AC017690, AC004492, AC004895, U53331, AL121658, AL035450, AL034417, AL031846, AB000882, AL133289, AL050332, AC012384, AC005274, Z82206, and Z99716.
HNHMO28	7572	859847	1 - 385	15 - 399	AI208970, AI539280, AA136699, AA609668, AA812915, and AL020997.
HNHMF02	7573	918649	1 - 295	15 - 309	R07682. AI214402.
HNHLY58	7574	859849	1 - 557	15 - 571	AA601385, AA251682, AI003636, AA679811, and AP000523.
HNHLW34	7575	859850	1 - 595	15 - 609	Z40220.
HNHLW10	7576	963542	1 - 413	15 - 427	AA680257.
HNHLR36	7577	859851	1 - 573	15 - 587	AA465071, AA826177, W85860, AL119541, W89152, AI538106, W67486, W67485, AI149238, AA976584, AI472070, AW071302, AA297443, R10107, AA525156, AC003108, AC006121, AC022517, AC002470, AL080243, AL031289, AL050308, AC003075, AC004196, AC004197, AC005253, Z83822, AC003687, AB003151, AP000688, U82695, AC000399, AC002530, AC003071, AC003663, Z97054, AF111168, AC005102, AC006323, AC002045, AB020863.

HNHLC007	7578	952279	1 - 641	15 - 655	AL022394, AC005871, AC008372, AC006111, and AC007052.
HNHLG36	7579	855071	1 - 544	15 - 558	AA700856, W92080, W92074, and U47924.
HNHLD70	7580	756668	1 - 402	15 - 416	N63437, AI042513, AA988159, N95744, AI241692, AW025809, AI341411, AI479298, AI827201, AA718988, AW298184, AA514475, AI078116, AA456139, AW054932, AW305231, AI734889, AI224855, AI093059, AI912915, AI690289, AI807586, AW082516, AI375429, AI857358, AA846245, AI125609, AR830516, N25902, AI469756, AI631154, AI394192, AA258738, AI051377, AI299480, AA150203, AI610824, AI434048, AA449685, H09775, AI799883, AI453490, AW337996, AI289435, AW440580, AI972947, AI289432, AI262072, AI865491, AA594584, AW167132, AI758979, AW264027, AI458169, AI672560, W93405, AI623819, AI814412, AA167742, AW014387, C03567, AA648408, T54772, AA209462, AA150039, AI890890, AA744971, AI952039, AI963445, AI869379, H24845, R62398, F21778, AA159073, AA081121, AA709203, AI383705, AA693450, and AB029022.
HNHLC01	7581	915363	1 - 555	15 - 569	AI199808.
HNHLB03	7582	923091	1 - 596	15 - 610	AA577871, AI078475, AP000025, AP000026, and AL050302.
HNHKT86	7583	785104	1 - 366	15 - 380	R87227, H51542, R84527, H39138, AW205403, AI070379, AI651385, AI038507, AA977060, AC006312, AC005630, and AC006328.
HNHKQ50	7584	723868	1 - 435	15 - 449	R43189, AW297929, T26440, T26439, and T17457.
HNHKP03	7585	923276	1 - 706	15 - 720	R94028, AA848093, R93984, and AA905345.
HNHKI61	7586	859925	1 - 651	15 - 665	AI023587, AA889356, AA846791, and AL022333.
HNHIS54	7587	730706	1 - 550	15 - 564	AA262089, N40358, Z99127, Z94721, AC005777, and AL031737.
HNHIR83	7588	781195	1 - 508	15 - 522	R55602, R11681, and AC004913.
HNHIC85	7589	784345	1 - 571	15 - 585	R15158.
HNHHL58	7590	736064	1 - 488	15 - 502	W95091, and H49177.
HNHHG53	7591	830068	1 - 328	15 - 342	AA088554.
HNHHF86	7592	784498	1 - 371	15 - 385	AA189067.
HNHHF61	7593	741836	1 - 307	15 - 321	AI189682, AA491767, W02419, AW407007, AW105463, AA747977, T51556, AI491765, AA199582, AA719433, AI762528, AI573009, AL041375, AI246996, AA145224, AW275432, AA714110, AI870453, AA558366, F00937, AA722336, H38769, AW304536, AI278972, C18779, AA225756, AA225392, T71936, AW088656, AI358557, AA219349, AI139525, AA458534, AI206841, AA745628, AA502532, AA445297, T90477, AA947369, AW028950, AW023111, H29914, T50676, H67064, F35684, AI603751, AI798493, AW105729, AL045476, AA584756, F30310, AL079734, AI445934, AA604843, AA613761, AI356440, AI623805, AA156523, R99034, AW272294, AI242614, AA515939, AA229791, H81346, AA229823, AI355103, AA708760, AW772518, AI879951, AA302982, AA225406, AA018231, AI311779, AI635028, F23338, AA018923.
HNHHF52	7594	726576	1 - 343	15 - 357	

A054339, AA338770, AA224593, R93919, AI360076, AI587467, AI567939, AI246359, AI619987, AC005089, AL049636, AO005971, AC005696, AC005839, AC005102, AC002565, AP000040, AP000108, AP000690, U91326, AL109963, AL035086, AF111168, AC006449, AC004859, AC005015, AL022336, AP000350, AC005695, Z83838, AP000282, AL022476, AC004929, AC004851, AC005300, AC005011, AC006241, AC005081, Z75888, AL009181, AC005412, AC010200, AL031848, AC002312, U91321, AC006115, AC004408, AC004019, AL049776, AL031311, U47924, AC005180, AL133243, AL021154, AL080243, AL049589, Z93023, AC007536, AL133245, AC005670, AC000003, AC005088, AC007999, Z75887, AC006208, AC005920, U02057, U96629, AC006538, AC005899, AC004253, I34294, AC005736, AC000025, Z97054, AC002369, AP000557, AC007637, AC007216, AL031005, AC002314, AL035587, AL034548, AC005768, AC007934, Z97053, AC005632, AP000558, AL096701, AL022721, AL033685, AC005084, Z93241, AL133246, AL034420, X55448, AF172277, AC007151, AC005730, AC005209, AL031589, AC005405, AC000379, AF003626, AC010170, AC005370, AC005488, AC004938, M87889, AL035405, AC000085, AC004878, AC006468, AL020997, AC004491, AC000353, AP000247, AC005231, AC004881, M55987, AC005225, AC004804, Z95114, AC004796, AC005519, AL049569, AC000085, AC004578, AC006480, Z99716, AC007993, AB004907, AC006511, AP000015, U80017, U12384, AF029308, Z98750, AC004678, AL031427, AL031282, AC006476, AL083718, AC002544, AC006111, AC002553, AC005323, AL096791, AC000134, Z84466, AC006160, AP000689, AC004760, AC019014, AC004598, AC002128, AL031662, U91323, AP000556, Z85996, AC005291, AC004009, AC005291, AC004033, AC007425, AC005261, AC004921, AC005520, AC009247, AP000047, AC005399, AC005067, AL008635, AF064861, Z83822, AL121658, AC004821, AL133485, AC004148, AL031685, AC005759, AP000193, AC002375, AC003101, AC012085, AC002558, AC004876, AC006312, AC005480, AC007283, AC005844, AC006023, AC004797, AC004841, AC004953, AP000151, AC004983, AF030453, Z93244, AL049591, AC005189, AL049758, AB003151, AC002476, AC005049, AL031587, AL133448, Z97196, AP000359, AC005484, AJ003147, AL022313, AL034553, AC005409, AC007541, AC005280, AL031432, AL035420, Z98752, Z85987, AC004765, AC005619, AC007387, AL049757, AL121653, AL096712, AL031733, AC004131, AC009501, AC005796, AC004883, AL031767, U02047, AC005740, AL035400, AL049694, AC005005, AP000117, U15422, AF027390, AP000691, AF001549, AL13316, AL139054, AC005821, AC008582, AC004031, AC004820, and AC006285. AA610822, AC006044, AL121852, and AC000004. AA084070, F28776, AI610159, AI754955, AA654771, AA482711, R77905, AA501600, AW06162, AI921649, AI919692, N43757, AI355206, AI281881, AA127353, AA491814, AA559290, AI471481, AI200051, AI859742, AA826303, AI94761, AA886584, AI283911, F29989, AI061334, AW406755, AI537030, AW169537, AA604156, AI801600, F36273, AI802526,				
	HNHHF39	7595	705407	1-333	15-247
	HNHHF38	7596	709278	1-308	15-322

AW193265, AW088058, AA364456, AI284640, AI160117, AA515128, AL046409, AA569187,
C75026, AA394271, AW243960, AA284179, AI469624, AI350211, AL041412, AW072587,
F35673, AI917271, AI291268, M86058, AI291124, AA177061, AA177682T, AA176827, AI298710,
AI431303, AI688846, AI279165, AW193432, AI148277, AA649642, AW162489, AW088202,
AW270270, AI871722, AI653905, AA446638, AA074130, AA434695, H57810, AI358229,
AI206785, AA642060, AA161181, AA515051, AA48731, AA587604, AA669416, AI344844,
AA664899, AA744088, AA610491, AA74407A, AA634238, AW148792, AI198376, AI119691,
AW406447, AW162049, AA745355, F29702, AI341664, AI58433, AA828704, AI925931,
AA703820, AI367975, AW419262, AI613280, AA126051, AA126035, AA338522, AW247819,
AI754658, AI805016, AW167372, AA552856, AA350859, AW029038, AA349638, AI287651,
AA581903, AW080134, AA837740, AW236342, T07451, AI281903, F34498, AA654968,
AI567674, AI619997, AI192631, AW021583, T17016, AW079135, H88666, AT73120,
AA528516, AA365302, N41375, AI801482, AI365988, F26152, AA614069, AA652057,
AA34311, R91994, F09736, R98967, AA448858, AI653636, W00582, N52544, H86301,
AI962050, AI303008, AI358343, AI113636, AI254615, AI672135, AA714453, AA61345,
W79504, AI58571, AL04940, AI890923, AI252554, H56013, AW166815, AA515224,
AI34443, N25296, AA720702, AA514737, AA630925, AW339568, AI144330, AI345654,
AA601892, AI041368, AI624698, AI539563, AI339850, AW301350, AW301916, AI053672,
AI963720, AA346454, AI625244, AW274349, W07122, AI889923, AW151884, AI904894,
AI349850, AA664535, AI251002, AA535661, AI160582, F19012, F28308, AI355224, H86264,
AA503258, AW407633, AL120687, AI357288, AA347927, AI110770, AA843450, AI273185,
AA584145, AA134367, AI64020, AA745582, AW406659, AI32149, AW265385, AA465941,
AW30876, W73048, AI653886, AA595782, F25135, AA490030, AA653975, AA713815,
AI017024, M62272, AP001052, AC005775, AL031668, AL132800, AL022237, AC007243,
AP000952, AC007528, AC007688, AF023268, AC005412, AC006538, U18396, AL022576,
X55928, AL034402, AC006011, AC007392, AC005900, AF015150, AL049759, AP001046,
AL133241, AC004593, AC009294, AL008728, AF077058, AC004671, AL022476, AC006116,
AC003035, AP000885, AD000684, AC004987, AL133448, AP001068, AP001067, AC008033,
U02054, AC005516, AC005295, AC004963, AC002472, AC006449, D85620, AC006539,
AC004606, AC005081, AC006511, Z86090, AC005158, AJ011930, AP000555, Z98051,
AC005069, AC005722, AP000351, AC006271, U50871, AC006556, AC007285, AL121694,
Z83821, AF196969, AL02091, AL031848, AC005065, Z98950, AL096791, AC007878,
AL033392, AC005154, AC006001, AC007919, AC006455, M37551, AL049760, AC005083,
AC004167, AL096774, AL031734, AC006427, AC004799, AP000304, D83989, AC003688,
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AP00359, AC004773, AC005740, AC005383, AC004638, AC005229, AC007934, AC007384,
AL031777, AP00245, AC006596, Z68192, AC004592, AL049696, AL008709, AC005002,

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HNHHF37	7597	708714	1-350	15-364	AC005815, AC004953, U96629, AC004876, AL034548, AC006017, AC006050, AL034384, AC007051, AL121603, AC002350, AC002395, AB023062, AC003062, AC000353, AC002429, AC004841, AC007001, U57007, AC007304, AC005332, Z83840, AL034555, AC004000, AC005666, AL031005, AC003664, AC006138, AL031662, AL109618, AL050332, AC007043, Z84718, AC005288, AC007239, AL021068, AL035552, AC005856, AC020663, AC009509, AC004946, AC005940, AL031228, AC005003, AC008064, AL035089, AL020995, AL050341, AC005209, AC006315, Z83846, Z83474, AL110292, AC007298, M87919, AL022323, AF039907, AC005484, AC005250, AL033535, AP001038, Z98742, AC005237, AC022517, AL021918, AC008173, AC006144, AC004854, AP000142, AP000090, D87675, AF111167, AL049872, AL049636, AC016025, AP000513, AL049779, AC004999, AC007682, Z68869, Z97184, AC003983, AC004808, AC006344, AC004931, AC009399, AL031054, AC005366, Z82215, AC007308, AC003101, U66059, AC006512, AC000060, AC008015, AC007313, AC002375, AC006195, AC006111, AC007066, AL049766, Y09781, AC005523, AL049758, Z97054, AL031650, AC003684, AC005057, AC007161, Z95114, AC004865, AL020996, AF111169, AC002565, AC007628, AC008101, AL008718, AC006277, AC005215, AL049647, AC007099, AL049557, AC005317, AC002094, AC006450, AC007666, AC005565, X54175, U18398, AC005535, U18393, AC004626, AC002400, AC008079, AL023575, AC005257, AL133399, AC004453, AL049610, and AL022327.
HNHHF28	7598	694365	1-331	15-345	H65022, and AI86889.
HNHHF13	7599	657245	1-124	15-138	AL035454.
HNHHF03	7600	924221	1-235	15-249	AA486925, AA188664, AA761430, AC005912, AC007563, AL109623, AL049843, AL034419, AL078477, AC006948, AD000864, AC000353, AC005562, Z81364, AC005632, AC004990, Z84469, AL022476, U91323, AL031005, AL031053, AC002288, AC003037, AC004601, AL049749, AC004514, AC005684, Z95116, and AC004832.
HNHHC61	7601	741839	1-259	15-373	AA459664, AA459676, and W38373.
HNHGX61	7602	948731	1-403	15-417	AA774118, AI700830, AL023883, AC002301, and AC006504.
HNHGV62	7603	743400	1-390	15-404	AA284640, AL046205, AW327868, AL046409, AL048925, AA984708, AI610159, AW276827, AA828704, AI467919, AW021583, AI431303, F36273, AW193265, AW276817, AI612280, AA523843, AI281881, AI357551, AA630925, AA521399, AJ345654, AA521323, AI350211, AI270117, AI305766, AA758934, AW338500, AI801591, AL037683, AI379719, AI471572, AW419262, AI334443, AA621858, AI091495, AA669840, AI219406, AA528516, AW148792, AI246409, AW407632, AI375710, AL041690, AI471481, AW338086, AA713891, AA133333, AI133164, AA679672, AI619997, AI688846, AW438643, AI138455, AA490183, AI969436, AA654771, AW339568, AI110770, AW193432, AW270270, AA514819, AI341664, AW232878, AA559290, AI499503, AI761471, AA587256, AL048626, AA938225, AA133406, AI491284, AI937850, AA977743, AI688928, AA569471, AI623898, AW157005, C75026,

AI798473, AL038474, AA038473, AA453725, AI537955, AW302013, AI39440, AW008317, T40077, AV062724, AI859742, AW169397,
AA780515, AA303473, AI754253, AI499938, AI364809, AA682912, AI028510, AT732120,
AI355224, AI559231, AA502155, AI445516, AI245679, AA074130, N53130, AI049634,
AI499134, AA992126, AL039958, AW162489, AI692808, AI053672, AI472222, AA362573,
AW09056, AI289467, AA577906, AI625647, AA834667, AI589461, AI287528, AI754658,
AI683577, AI674873, AA316905, AA680243, AA368929, AW243960, AI469624, T06828,
X76629, AF196969, AC000117, AC002468, AC004895, AF088219, Z81369, AL079295, M37551,
AC005839, AL119054, Z98744, X54180, AC007382, AF077058, AC004491, AP000557,
AL049643, AF064861, AC004149, X54177, D83989, AF109907, AC005529, AL133245,
AC007387, AC005089, AL008718, AC007878, AP000556, AC006273, Z93020, AC006213,
AP000552, AC005387, U02532, Z93241, AC006277, AC00516, AC003957, AB020858,
AC006130, AF015151, Z22650, AC003960, AC006208, X55931, AP000506, AC018633, X75335,
AP000301, AC00383, AC007738, AC002490, Z86061, AF015156, AC005755, AL022302,
AL109618, AC06064, AF124523, AC005166, U18394, AC004946, AC006241, AC007384,
U18391, AL121603, U57005, Z98051, AL133399, AC006948, AB000882, AC005829, U18392,
AP000044, AL031074, Z99716, X55922, AL132985, AC007877, AF015157, AC08134,
AC004531, AC00298, X54175, AC007151, AL020995, AC003029, AP000115, AC009516,
AL022329, X55925, U80017, AP000045, U18393, AL022067, AL078477, AC005065, AC009263,
AI229042, AL035659, AC007056, AF015166, AC006055, AL133353, X55926, U57009,
AC003085, U18395, I51997, AC004859, AI022476, AC007564, AC003695, U57006, AL080243,
AC008372, X55550, AC010197, AL021393, AL117693, AC007461, AC006026, AC004858,
AL032821, AC007919, AC006486, AC000353, AL109801, AL056532, AC006057, AC003007,
AC005480, AC004820, AC004999, AC002565, X54176, X55930, AC004834, AP000513,
AC007262, AL031054, Z97054, AC005280, AL096701, AC007731, AC004890, AC005859,
AP000855, AL021453, AC007226, AC005031, AL121655, AC004841, AF015147, AC007051,
D87675, AC005763, AF067844, AL031594, AL080317, AC004534, AC002544, AC004526,
AL021069, AC008012, AF000953, AC004493, AL132718, AC004144, AC004381, AF001549,
AP001053, AC005412, AC005066, AC007225, AL109980, AL023799, AL133448, AC002289,
U57008, AL163297, AL049557, AC002316, AL035089, AL049776, AC006312, AL117258,
Z82210, AC007245, AC002549, U67221, AC002365, U66059, AC006195, AC003108, AC006059,
AI010598, Z32194, AP000031, AC002429, U18398, Z84487, AL049830, AC00462k, AC022517,
AI022163, AC005670, AC000091, AC010625, AL035688, AW003627, AF003627, AC053231,
AP000555, AC008249, AC02063, X54179, AL031777, AC00114, AL035587, AL031985,
AC002349, AF039906, AL009179, AC007363, AP000112, AB020859, AC016830, AL031273,
AC006285, AC000025, AC004593, AC006251, AL133371, AC00496J, X55924, AL031662, and
AC004455.

HNHGL56	7604	859953	1 - 760	15 - 774	AA614095.
HNHGT92	7605	496480	1 - 387	15 - 401	ALD37067, AI224583, AA595661, AA603400, AI049845, AI435525, AA489390, R42954, AI690379, AW250029, AW272294, AA810376, AA513851, AA225406, H24331, Z98946, AL115744, AC004686, AC009516, AI053356, AC006547, AFI11168, AC004448, AC004929, AC005207, 295113, AP000211, AP000133, AL031680, AF205588, AL031281, AC005158, AC015853, AC007676, AC000084, AC002115, 295114, AC009247, AC006557, AP000039, AP000107, AC004134, AL034417, AL020995, AC004771, AL022238, AC004526, AL117339, AC006449, AC007055, AC004106, AC005696, AC007065, AB026899, AC005874, AF134471, AC006519, AC005663, AL034429, AC007066, AC005666, AC004019, AL022326, AC004967, U91321, AL117337, Z86061, AL008582, AC005516, AC005899, AL096794, AP00509, AL035400, AC005229, U62317, AP000557, AL133245, AP000500, AC016027, AL031985, AL132712, AC005261, AC004525, 293023, AC004985, 296074, AC005730, AC002126, D84394, AL031311, AC000120, AC005081, AC002472, AC003101, AC004821, AC004812, AC002401, AL031432, AP001054, AL033527, AC004673, U82668, AL049776, AF029308, AC007263, AP000511, AL034421, AC004921, AC005011, AC004231, AP000210, AP000132, 293241, AP000345, AC002563, AC008038, AL031678, U91318, AC003006, AC016830, AC004477, 298051, AL049869, AC005529, AC007151, AC005288, AP000359, AL05021, AL139054, AP000505, AC005746, AC002544, AC005189, AP000248, AL109963, Z85986, X87344, AC004079, AC006946, AC002336, AC002554, AC006468, AC005871, AC002470, AC004841, AL03423, D87675, AC004587, AC003043, AC007207, AC005911, AF109907, AC005412, AF165926, AC004236, AC005355, and AC007630.
HNHGT84	7606	781977	1 - 393	15 - 407	
HNHGT80	7607	775409	1 - 385	15 - 399	AA179041, and AA176902.
HNHGT15	7608	660304	1 - 629	15 - 643	AA342238, AI283938, F29968, AA610255, AA523695, AI869797, AA488551, AA584765, AI358712, AI932871, AA598605, AI962030, AA489483, AI280535, AA299721, AA303690, AI049538, AA578621, AA586433, AA568204, AA570740, AA483606, AA570441, AA772151, AA878492, T47138, AW008184, AA361513, AW302017, AA577824, AA384890, AW078909, AA280509, F30310, AI653776, AI493583, AI925665, AA525753, AA581471, AA507814, AA502532, AW082104, AA772016, AL074477, I34294, AA484466, Y10196, U95743, AC004999, AL031643, AC002287, AC003109, AL035460, AL117338, AL022719, AP000466, AC008115, M87889, AI049643, AC007283, AC006965, AC002420, AL136295, AC005618, AC006509, AC005972, M29929, AL121653, AC008033, AL031622, AC018769, AC003684, AC004973, AC004025, U80017, AC006581, AL023553, AL023553, AL12880, U02047, AC007537, AC004081, AC004816, AC005399, AB023050, AC005879, AL034417, AL031668, AC000353, AC005304, AL117339, AC005376, AP000248, AC005227, AL110114, AC006016,
HNHGT09	7609	625615	1 - 337	15 - 351	

HNHGS24	7610	677228	1-791	15-805	AC005919, AF104455, AC005486, AC004382, Z98304, AC005950, AC007051, AC003687, AC007371, AC005377, AC009263, AP000034, AC007919, AC007376, AL008729, AC006538, AF217403, AC006080, AP000266, AC002477, AC004967, AC004941, AC008015, AF205588, AC005219, AC006275, AC009241, X55448, AC004420, AC003108, A1006996, AL078581, AC005772, AL049575, AL035405, AC005274, AC006480, AP000511, AC005944, AP000102, AC007172, Z86090, AL033375, AC004817, AC005233, AC003103, AB020868, AC004552, Z93930, AC004985, AC002492, AL035587, Z86061, Z96074, AC005476, AC005284, L44140, AC008064, AF047825, AC005682, AP000687, AC005537, AP000212, AP000134, AL022345, AC008044, AL031118, AL109963, AC005229, AC009044, AC004087, AC004859, AL034549, AP000042, AP000110, AC004752, AP000116, AL133241, AC006251, AL049759, AC006317, AL035467, AC005088, AF117829, AC005696, AL121652, AC004933, AC000004, AL049757, AC004975, AC004896, AL096791, AL049778, AL022399, AF060568, AC005209, AC007488, AF111168, AP000131, AP000209, AP000098, AC012085, AL031650, AC010205, AF069291, Z98884, Z95116, AC006454, AC005244, AC007221, AC007130, AF067844, AC004217, AL031433, AF001549, AL021154, AC006270, AC006017, AC004963, AL031121, AC005378, AC005881, AC006000, AP000493, AC005730, AC003035, AP000690, AC004981, AC005911, U17576, AL031368, AL031291, AC007298, AC000105, AL035588, AC006211, AC007656, U95740, AC004896, AC005049, AL035462, AC002369, AF146191, AF207550, AP000108, AP000040, AC005920, AC005368, AC005216, AC009516, AC006312, AF107885, AP000088, U47924, AC003025, AC004032, AC004560, AC006111, and AL109758.
HNHGQ45	7611	582523	1-865	15-879	R12665, AI762545, W88350, AI434243, AI689719, AW138454, W88987, R16402, D45650, and W89080.
HNHGN27	7612	859972	1-417	15-431	R97614, R91776, D81661, and AI034062.
HNHGI60	7613	740396	1-476	15-490	AA393618, and AI398697.
HNHGI03	7614	923829	1-439	15-453	AA017482, AA019002, AA019302, and R84777. AL079734, AA572813, H68343, AA579152, F16848, AA225890, AA838091, AI693979, AH46452, H38769, AA582746, F30650, AI734852, AI053784, AI459733, AL044701, AI280601, AI345497, T90477, AA229159, AA526643, AI078409, AA285705, AL041375, H47835, AA579130, AW242279, AA303049, AI282629, AA847585, AA342238, T17332, AI114557, AA873303, AA847047, AA558404, AA158549, AA715955, AA720582, AI726328, AA614010, AA452847, AA215470, AI587467, AI792464, T17135, AW162227, AI858148, AI609972, H53284, H54252, AA598736, AW333268, AA720774, AW272294, AA225406, AI880889, T07974, AA581247, AB70453, AB65776, AP000152, AC04983, AC005067, AC005539, AC007731, AC005500, AC006211, AC06130, AP000212, AP000134, AC006511, AC010205, AF053356, AL031577, AC004966, AL049569, AC004985, AC005409, AC004893, Z95114, AC007216, AL034420, U95740, AC004813, AC004033, AF111167, AC005049, AD001527, AC006449, AC002492.

HNHGH83	7615	781208	1 - 391	15 - 405	AC002425, AC002400, AC007686, AR036572, U78027, AL096678, AC002352, U82828, AC005212, AL078581, AL035422, 285986, AC003982, AP000032, AC005911, AC004797, AB020864, AC004938, AC004216, AC009247, AC004821, AC007226, AP000509, AL109865, AL031848, 298200, 282214, AC006046, AC005318, AL031281, AC006059, AL049757, 293241, AC005920, AP000030, AC000385, AC006275, AC005332, AL049834, AL031662, AC005412, AC005488, AC007151, 299716, AC005231, AC005011, AL049872, AL021391, AL022316, AP000113, AP000045, AL133243, AC004167, AC005839, AC007421, AC005512, AF134726, AL008630, 298044, AC005257, AL049694, AC006539, AL035249, AC005324, D84394, AL031728, AL031673, AL008582, AF064861, U91321, AL031228, AC005189, U91318, 295116, AC007690, Y14768, AL109627, AC005726, AP000104, AC004554, AF196972, AC004144, AC002350, AC006581, AP000505, AC005280, AL022326, AC005971, AC004804, L78810, AC007298, 269714, AL023879, AC003956, AC007263, AC005480, AC005695, AP000506, AC007774, AL132642, AC004491, AL049830, AP000501, AL079342, AC002430, AC007637, AC005535, AL031737, AC005022, AB000882, AC004656, AP000503, AC009225, AC005632, AC007384, AF027390, AC004883, AC004686, AC005562, AC005225, AC005372, AC002301, 249208, AL050318, AC007193, AC004753, AC007225, AL133382, AC004887, AF045555, AF111168, AC006270, AC005736, AL080242, AL022322, AC005527, AC004067, AC004895, AC007664, AC004326, AC007191, 268284, AL035071, AL049677, U91326, AC006476, AC005399, U96629, AP000237, AF165926, 282205, AC002094, AF047825, AC005519, U95742, AP000552, AC005015, AL035659, 282205, AL049776, AL020997, L44140, AC005808, AC005972, AC005624, AL049795, AF001548, AC005529, AP000194, AC009509, AC004905, 283836, AL035400, 297056, AC002395, AL008718, AC005228, AF124523, AC006480, AL135744, AL034417, AC005924, AC007050, AC004834, AC005183, AP000023, AL021707, AC004832, AC004228, AP000300, AL096791, AL109984, AL031282, AC005516, L78833, AL031291, AL020993, AL078472, AC006111, AL050321, AL078587, AL031664, AL035252, AC002504, AC005274, AC004743, AF205588, AC007277, and AP000280.
HNHGH12	7616	859983	1 - 432	15 - 446	AA199736, AJ003359, and AP001062.
HNHGG39	7617	561093	1 - 315	15 - 329	H47804, and AC004968.
HNHGF28	7618	686735	1 - 722	15 - 736	T60696, AW246223, and AF113544.
HNHGF91	7619	790212	1 - 433	15 - 447	N35183.
HNHGE81	7620	777955	1 - 375	15 - 389	AW021741.
HNHGE79	7621	775214	1 - 303	15 - 317	R67701, AI431513, AI077941, AI270476, AA375133, AW302017, AC005081, AC004526, AL139054, AL109827, Y18000, AC003690, 249866, AC002400, AC004482, AC000353, AP000240, AC006079, AL110215, AC002045, AC007292, M17262, AC004711, AL035587, 281308, AC005529, AL008725, AI021154, AC005049, AC005578, AP000702, AC005015, AP000703, AC005377, AL049694, AL049759, AC007277, AL135960, AJ131016, AL022165.

					Accession Numbers
HNHGE68	7622				AD049869, U85195, AC008044, AC006211, AC004707, AL133445, AC000085, AC000162, AE000658, U07000, AC005514, AC005067, AL121658, AC007233, AL135744, U91322, AL033527, AC005940, AC004150, Y14768, AL021878, AC006111, U80017, AC005193, AC005031, AL080243, Z98941, AC004517, AF134726, AB014588, AC005551, AL035455, AC005763, AL035420, AC005932, AC004874, AL049776, AC006251, AC003399, AC006277, AP000065, AC004491, Z49236, AC006538, AP000505, U95739, AC005971, AC005786, AL035681, AC006115, AC005625, AC002985, AL035684, U07561, AC005086, AC005274, AC004876, AL049757, AC002126, AC002470, AF196779, Z98346, AC005317, AC004019, AP000512, AJ011930, AC004921, AC002350, AC004985, AP001053, AC004890, Z82178, AC006061, AL031587, AL022336, AL100839, AC007227, Z93096, AC005088, AF148213, AL121653, AC005165, AL034420, AL026993, AL031291, AC005837, AP000248, AF165926, AC007686, AF196969, AC005822, AL117339, AL031289, AL049713, AP000216, AL050307, AC022517, AC006312, AL121756, AL050348, AC006275, Z82206, AC007207, AC000134, AC005512, AB023051, AL024498, and AC004382.
HNHGE44	7623	753052	1 - 531	15 - 545	AA458759, AA457494, and AA679166.
HNHGE31	7624	683294	1 - 516	15 - 530	
HNHGE24	7625	698046	1 - 367	15 - 381	
HNHGE12	7626	677234	1 - 420	15 - 434	
HNHGD08	7627	970722	1 - 420	15 - 434	
HNHGC92	7628	959494	1 - 474	15 - 488	T54356.
HNHGC91	7629	792740	1 - 407	15 - 421	N64605, AC004902, and AF086089.
HNHGC45	7630	790199	1 - 212	15 - 226	D81926, H55330, AP000556, AP000557, and AC007308.
HNHGC32	7631	720747	1 - 403	15 - 417	Z32887, Z33559, T18397, AI526078, AI557864, D59751, D50992, AI533660, AI536138, AI557262, AI541356, AI541205, AI525500, AI525556, AI525525, AI557082, AI557533, AI540903, AI541365, AI408620, AI557809, C14228, H65400, AI525316, AI557084, AI557317, AI525302, AI557312, AI557731, AI541321, AI525852, AI536150, AI541353, AI525661, AI541075, AI557258, AI557602, AI525757, AI557474, AI557238, AI536070, AI557155, R29657, AI541450, AI546829, AI541034, AI541154, AI547177, AI540974, AI557154, AI535828, AI535813, AI557041, AI541346, AI541154, AI557408, AI541027, AI557039, AI535994, AI557810, AI541048, D30843, AI557543, AI541362, AI62300, AR050070, A62298, A82595, A82593, U94592, Z30183, AF006072, U45328, and AR023466.
		699286	1 - 413	15 - 427	
HNHGC21	7632	670949	1 - 411	15 - 425	T16056, AA339752, AA34514, R99736, AA341336, AA594746, AA641400, T07420, AA508026, AA361273, W30861, R01434, AA492140, AI265800, AA630773, AW129950, AA547110, C15093, AA69616, N27615, AI192839, AA551201, AA649722, F02342, AA316183, AA347170, AA07691, AA704643, AA325597, AA053551, AA320941, AA348504, H86097, AA866992, AA078537, T63030, AA363368, D19768, AA332204, H80306, N58674, AA357552, AA325787.

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HNHGC20	7633	859991	1-413	15-427	N22533, AA129329, AA481050, AA283761, AL044438, AA132914, F05944, AA720691, AA307598, L29255, U95740, X02883, Y12508, L43392, AB015355, AB003151, AP000141, AP000088, AP000495, D83657, AC006432, Z46936, AJ009610, AP001060, AC005771, AC004841, AP000431, AP000302, AC004979, AP000046, AP000114, AC005060, AC007688, AF060568, U40401, L49046, M63796, AD000092, M22568, U67274, U20770, AI246003, AC005566, D87675, Z83313, Z92844, U13056, X69951, AL021392, AF003528, AC006596, AP000510, AB023048, AL050337, Z68192, AB023052, AP000513, and AC005754.
HNHGC19	7634	668692	1-393	15-407	
HNHGC08	7635	962224	1-258	15-272	AL050403.
HNHGC07	7636	953414	1-424	15-438	
HNHGB12	7637	970726	1-663	15-677	AI493432, AT765576, AI083682, AI151327, AI138460, AI219026, and AA846762.
HNHGA53	7638	973803	1-521	15-535	AL044060.
HNHFY68	7639	752305	1-519	15-533	AA223974.
HNHFY08	7640	959475	1-494	15-508	AA601442.
HNHFX10	7641	961275	1-309	15-323	AA224213.
HNHFX08	7642	959484	1-403	15-417	AI239477, and AW303399.
HNHFX07	7643	953403	1-437	15-451	AL135721, AI267283, AI039006, AL138332, AI654729, AA487851, AW089846, AA625090, AI292003, AA126794, AI16/579, AA603182, AI889719, AW419399, AA830603, AA984199, AW189511, AI637571, AA112088, AA601406, AI695619, AA113978, AA169156, W90097, AI821127, AI821234, T63720, AA398565, AA451176, AI354337, AI821889, AI821871, AA469959, AA458716, AA632209, N76330, AA456920, AA640499, T90251, AI797528, AA121839, AA219168, AA600117, AA206539, AA658904, W37681, AI045624, AA643815, AI978961, AA873328, AA584119, AW407655, AI742894, AI000348, AA382693, AA242790, AA272585, AA577803, AA552879, AW302809, N85750, T48646, N49611, AA195197, AA309378, T59821, AA548549, AA577840, AA613153, AA664727, AA370642, AA357788, AA577773, AA829583, AA938094, T56714, T60735, AA282876, AA136977, D57535, AL119263, AA457748, D56416, AA594706, T59577, AA577825, AL119911, AA856868, T07755, AI453652, R76207, AA577875, AA211113, AA487304, AW188806, T05108, R88959, T63142, AA486808, AA309367, AA577743, AA126847, AI179985, AA456979, AA661560, AA088273, AA487519, AA489899, T63021, AA456041, AA575943, AA319956, AA668372, AA772877, T20144, AA121840, AA308174, AA577765, AA504660, AI065066, AA584502, AA490015, AA557920, AA613193, AA372082, H47700, AA507553, AA343460, T00609, AA375449, AA593549, AI207664, AA330161, AA188838, AA299014, AI167621, AI169557, AA483220, AA180281, AA169228, AA594147, AA713895, AA983440, Z83841, AC004764, AC007392, AC006133, AC005326.
HNHFV49	7644	975415	1-754	15-768	

					Accession Numbers
HNHFV30	7645	566339	1-331	15-345	299570, AF003529, AL132987, AL132203, AC006383, AC005189, AC007970, AC004650, AL009176, AC002468, AC004103, Z32203, AC007567, AC005297, AC009514, AC006344, Z82195, AL050339, AC006369, AC005181, Z84477, U93569, AC004081, AB014082, AU022150, AL117325, AF106564, AL055594, AB023058, Z95333, AC005509, AC005051, AC007558, AL139229, AC002407, AL022575, AP000521, AL049828, AL051650, AC007551, AC004830, U93574, Z68332, AC004050, Z83212, Z71187, AC002066, AL008723, AL035427, AF064862, AJ225782, AL031074, AC005682, AL122023, AC007842, Z78022, AL008722, AC006596, AC004208, AC005915, AC002083, AL078600, L31653, AL132985, AP000079, AC007350, AL109620, AC004192, AL121595, Z69648, AC004056, AC008059, AL031985, M19503, U93565, AC005856, AC004976, AB023053, Z71182, AC002478, AL022144, AC009405, AC000111, AC004010, AP000515, AP000081, AL109764, AC005187, AC003012, AL022100, AL035469, AL049875, Z70226, AC004216, AC004470, AC001642, AL022578, AC003035, Z68289, AL021307, Z73361, AL031075, U82828, Z96810, AC002385, AC006372, AC005875, AC007671, AL009177, AL031504, U93573, Z82210, AP000500, M80343, L19088, M80340, AC003006, AL022723, AC006355, AL049713, AC006984, AC004047, AL135784, AC002524, AF198099, AL079305, AC003977, AC007250, AC005686, AL022171, Z69838, AL034407, AC005248, AL009173, U82696, AP000314, AL049834, Z92543, AC003051, AL035409, AC006395, AF196972, AC004957, AC004201, AC006155, AF148856, U93567, U93568, L19092, AF016235, AC004200, Z94771, AL031622, AC005993, AC002085, AC002085, 273913, AC007179, AC004191, AC005279, AC003099, AF176315, AC003013, L11910, U63313, AC000060, AL121694, AC024416, AC018653, AC002080, AC002461, AC003349, U73645, Z68344, AL109853, AC005272, AL049778, AF149774, AC005760, U73546, AL033375, AL121852, Z93928, AL110505, AC007376, AL023800, AL023904, AL031174, AF198098, AC007033, AC004668, AC007402, AC009501, AL031904, AC000021, AL049651, U93563, Z79699, AC005549, AL133269, AC005195, AC008062, AL022308, AC008064, AC004049, AC004043, AC007002, U09116, Z99569, AL034561, AP000194, AC006031, AC004021, AC006957, Z93403, AL096799, AP000518, AC006963, Z83313, AC004513, AF053066, AC008174, AC006566, AC009225, AC006230, AC006427, AP000952, AL031768, AC004949, AC006385, AC006002, AL049734, AL050401, Z98751, AC007372, AP000557, AP000516, AL109865, AC008967, AP000534, AL109659, Z82196, and AC005491.
HNHFU64	7646	937179	1-527	15-541	I49829, and W26793.
HNHFU56	7647	733513	1-577	15-591	AA122097, and AC004538.
HNHFU12	7648	970882	1-429	15-443	AA121914.
HNHFR69	7649	757646	1-435	15-449	
HNHFP94	7650	888666	1-295	15-309	
HNHFP89	7651	786967	1-390	15-404	AA002022, AW016693, AH400310, AH400321, AI242437, AI383077, and AC002112.

HNHFP03	7652	924606	1 - 520	15 - 534	AA278805.
HNHFM74	7653	506283	1 - 313	15 - 327	
HNHFM54	7654	486847	1 - 551	15 - 565	
HNHFL96	7655	576414	1 - 483	15 - 497	U91323.
HNHFL28	7656	973273	1 - 604	15 - 618	
HNHFH24	7657	903741	1 - 467	15 - 481	D80212, D59619, D80210, D80240, D81030, D80166, D80219, D51423, D58283, D51799, D80253, D80195, D59859, D80193, D80188, D80391, D80227, D80022, D59927, D59889, D80196, D80045, D80269, D80043, D80038, D80366, C14429, D59275, D57483, D59502, D80134, D80024, D50979, D59610, C75259, D80378, T03269, D80268, C14014, D59095, F13647, D80241, C15076, D80949, D59787, D80164, C14389, D81026, D58253, C14331, D51250, D51060, AA305409, D51079, D59467, D80168, D81111, AW178893, C14227, AW177440, AA285331, D80522, Z21582, D51022, AW179228, D80064, AI910186, AW178775, AW378532, D80248, D59695, AA305578, C14298, AW377671, AW369651, AW352158, D80251, AI905856, D52291, D51097, D80133, AW178762, AA514188, AW177501, AW177511, AA514186, AW360834, C05695, C14407, AW360811, D80439, AW352117, D80132, D80157, AW176467, AW378540, AW375405, D59373, D80014, AW179220, AW366296, AW360844, AW360817, T11417, AW375406, AW378534, AW179332, AW377672, AW179023, AW178905, AW377676, D80302, AI557751, AW352174, D51759, AW178906, AW352170, AW177731, D80247, AW178907, AW179019, AW179024, D51213, T02974, AW177505, AW179020, AW360841, AW178909, AW177456, AW352174, AW179329, AW178980, AW177733, AW378528, AW178908, AW178754, AW179018, T03116, AW179004, AW179012, AW178914, AW378525, AW367967, D51103, D58246, D80258, AW177722, AW177728, AW378539, D59653, AW199009, C06015, AW178774, AW178911, AW378543, AW352163, D59503, C14077, D58101, AW178983, AW352120, AW178781, T48593, D59627, AI557774, AW177723, D45260, AW177508, AA033512, AA809122, AI525917, AI525923, AW178986, D51221, AW177497, D80228, H67866, AA033512, AA809122, AI525917, AI525923, AW178986, D51221, AW177734, D59317, D45273, C14344, D59474, C14973, D59081, AI525920, AA514184, C14957, D60010, C14046, AI553686, AI525227, D59551, AI525235, D60214, AI525215, T03048, AI525912, AI535961, AI525242, AW378542, C05763, AI525925, AI525222, D51053, D31458, C16955, Z33452, A62298, A62300, A84916, AJ132110, X67155, A67220, A78862, D89785, A25909, D26022, D34614, AR018136, Y17188, D88547, AR025207, X82626, AR008278, AF058696, I82448, X68127, AR028859, AB012117, A85396, AR066482, Y12724, A85477, A44171, U87250, I19525, A86792, X93549, A82595, AR060385, A94995, AF151525, AB002449, AR008443, I50126, I50132, I50128, I50133, AR060138, AR066488, AR016514, A45456, A26615, AR052274, I14842, AR064240, AR066490, A43192, A43190, AR033669, Y09669, AR066487, I18367, A30438, D88507, AR054175, D50010, Y17187, A63261, AB033111, AR003277, AR008281, AR008408, AR062872, A70867, AR016691, AR016690, U46128, Z32749, A64136, A68321, D1509,

	7658	675942	1 - 721	15 - 735	AR060133, I79511, S69292, U87247, AB023656, U79457, AF122263, X72378, AR032065, AJ000347, X93535, and AR008382.
HNHFH23					N31451, and N41451.
HNHFF79	7659	638126	1 - 267	15 - 281	AA153693, T02866, AA315673, AA179174, AA361929, AL120645, AA736954, AA834194, AA778965, AA577825, AA578664, AA668252, AA218852, AA218852, AA983440, AA775329, AA446768, AA167544, AA603182, AA583392, AA582052, AA618459, AA662979, AA601625, AA188692, AA495394, AA584747, AA167492, AA180454, AA680277, AA834071, AA663367, AA663004, AA630430, AA713821, AA219034, AA206780, AA714486, AA584834, AA486097, AA504875, AA169233, AA773954, AA584435, T65750, AA489989, AA121767, AA577875, AA668151, AA464930, AA584534, AA451922, AL047233, T03057, AI538493, AA601406, AA167538, AA593497, AA169344, T59619, AA663003, AA720805, AA720777, AA489999, AI880288, AA668699, AA780751, AA490015, AA211180, AA679143, AA721049, AA457219, AA971198, AA775210, AA586654, AI267399, AA577803, AA601418, AA577840, AA490246, AA577765, AA593542, AA458672, T49955, T03259, AA613193, AA564831, AA594081, I85238, AA662985, AA169228, AA169557, AA668372, AA487519, AA457507, AI253435, T56669, T48647, AA581910, AA976274, AL043280, T55332, AA584907, AA179985, AA434080, AA188953, M78222, AA563828, AA485874, AA773127, AA490019, AA586665, AA121840, AA601628, AA983272, AA490032, AA489850, AA668327, AA180281, AA490054, T59685, AA584459, AA581901, AA458783, AA782269, AA584627, AL119618, T59877, AA594706, AA778953, AA515456, AA485341, AA456926, AA989133, AA722310, AA774071, AA774057, AA668161, AA307312, AA126847, AA456941, AA601412, N25053, AA714107, AA772877, AA169346, AA490183, AA169351, AA180465, AA584768, AA613153, T49316, AA169553, AA325093, AA594173, AA663091, AA780820, AA357787, AA456943, AA584466, AA827415, AA112323, AA112316, AA664023, AA180338, AA601464, AA594015, T90675, AA679325, T57694, AI460363, AA593549, AA457652, AA121876, AA174132, AA761025, N79938, AA582414, T39228, AA680290, AA663500, AA594147, AA668238I, AI267828, T96260, AA458713, AW129720, AA136934, T02841, AA584502, AA584625, H92599, AA657923, AA581172, AA456979, AA219051, AA136926, AA780730, T61944, AA487603, AA594753, AA587520, AA780571, AA421028, AA668406, N23864, AA490110, M77951, H70919, AA487044, AW394251, T57385, T03243, AA174113, T94872, AA121875, T94346, AA602130, AA176467, T50445, AA663223, AA179813, T93559, AA668285, AA577921, AA581666, T63467, AA334066, AA577773, AA214189, AA715716, AA663376, AA188833, AA188613, AA176906, AA457548, AA218913, AA601402, AA715738, AA490150, T47178, T41239, AA668241, AA721000, T92714, AA668412, AA218670, AA720943, AA138058, AC007392, AC003686, AL133249, AC005326, AL135784, AL035397, AC005019, AC004610, AP000078, AL096817, AC004886, AL049828, AL117337, AC011198, AL049589, AC006962, AF011889, AC006989, AF036235, AL022353, Z69648, AF198097, AC002478, AL031122, AC006336, AL02171, AP000052, AC003086.

					Accession Numbers
HNHFP30	7660	692811	1-408	15-422	AC004028, AC002086, AC005187, AC006155, AL022725, AC007870, AC007425, AL078463, AL022400, AC007023, AF126403, AC005023, AC006385, AL121577, AC006925, AC004216, AL031116, AL109865, AF205588, AL008723, AL078644, AC007128, AC005297, L81653, U93569, U93565, M80340, AL139229, Z69838, AP000314, D87003, AC000365, AL035459, AC004694, AC006957, AC005248, AC004043, AP000194, AC006963, AL049713, AL096799, AP000141, AB020876, AL035594, AL109853, AF188024, AL117375, AL109620, Z92543, AC003051, AL004976, AL031274, AC006355, AC004056, AC003029, AC007002, AF106564, AC006054, AL035665, AF121898, AC004081, Z98946, AC002076, AL023806, Z92844, AC007350, AC007444, AC004957, AP000088, AC006070, AL031599, AL121852, AC007556, AC005510, Z98255, AC006039, AL022165, AC005537, AL078623, AC006079, AC009405, AC006239, AF165124, AC005908, AC002480, AL034384, AP000500, D87675, AC007250, AC002106, AC005549, AC002080, AL049861, Z96810, AC007254, AC002416, AC005349, AC005832, Z99570, AB017651, AC005209, M19503, U93574, U93564, U93563, AF148856, U93566, U93567, U93572, U93573, AI010598, AL023095, AC006351, Z81145, AF020602, AC007013, AC005852, AC005491, AC004603, AC004711, AC004459, AC004200, AP000968, AC005688, AL109621, AC006002, AC007074, AL023582, AC004764, AF104455, AC005195, AL022575, Z95124, AL022308, AL031176, AL049859, AC004979, AC005585, Z72001, AL009176, AL096776, AL136363, AL033530, AC003090, AL031768, AC006061, AL078622, AL034407, AL021069, Z98172, AL049550, AL022578, AC011594, AC006383, AC007043, AC006151, AL035409, AL022161, AL031985, AC005922, AC002980, AC004103, AC006975, AC007857, AL022097, AL137191, AC005344, AC006197, AL034410, AC005165, AC009479, AL049646, U82696, AC006479, AC007278, AP000696, AC008109, AC007347, AF176315, AL122023, AL035089, AC006992, AC002452, AC006265, AC005939, AL022726, AL079305, AL135960, AJ131016, AC004554, AL132985, AC002461, AL110505, AC006371, AL022401, AC005406, AC002069, AP000516, AC006566, AL133321, AF117829, AC004467, Z98751, AC005521, and AC005877.
HNHFE01	7661	916782	1-336	15-350	N55081.
HNHFD68	7662	576448	1-310	15-324	AA460407, AA459856, AB26714, AI024848, AW410737, T63986, U91321, AC002190, AC003003, AC006290, AL135879, and AL121790.
HNHFB21	7663	842707	1-111	15-125	I77842, AI818742, T86633, AI743761, and T86826.
HNHEW83	7664	781217	1-571	15-585	T86212, F15260, and AC005369.
HNHEW18	7665	666524	1-297	15-411	N39725, and N31375.
HNHEU20	7666	668909	1-442	15-456	AI679782, AA659324, AA812058, AA601218, AL045077, N79258, AW021774, AI769271,
HNHEQ03	7667	535701	1-682	15-696	

AI284640, AI344810, AL046205, AI591299, AI590522, AL037910, AA584148, AI821467,
AW022715, AL045709, AA581903, AW340844, AA720702, AI696962, AL046409, AI368745,
AA314069, AW303196, AW274349, AI281881, AA494038, AW162049, AI929531, AW301350,
AA765768, AA469451, AW029038, AW402458, F28204, AI370094, AI305766, AA499938,
AA502683, AL038785, AA501614, AI064811, AA521323, AI564185, AI370074, AA565733,
AI904894, AW062724, N22032, AA847499, AA521399, AA857486, AI339850, AW020992,
AI590459, AI888405, AI610159, AW088202, AL037632, AL133749, AL039187, AI120976,
AI654247, AW023111, AA482896, AT088009, I32050, AA491284, AI368256, AI004705,
AW072587, AL034423, AC004477, AL096791, AF001549, AC002544, AF196969, AC006285,
U62317, AF111168, AC003982, AC005940, AI010770, U95742, AC016025, AC003043,
AC009516, AC007731, AC004859, AC005288, AC006291, AC005500, AL008582, AC005488,
AC007216, U91326, AC006057, AC004033, AC006312, AL121652, AL133448, AC007546,
AC008372, AC007051, AC003962, U63721, U95090, AC005785, AC003029, AL031431, Z93783,
AC006449, AC005841, AP000692, U95743, AC004526, AC005839, Z93241, AC005821,
AC002316, AC002470, AC005225, Z97053, AC005358, AC005726, AL050307, AL049776, AC003101,
AL020997, AC007358, AL031985, AP000553, Y14768, AC005911, AC005004, Z97054,
AC007225, Z98051, AC007566, AC004987, AC007371, AC004815, Z93017,
AP000557, AL049795, AC005914, AC002565, AC005632, AC006211, AC005531, Z95152,
AL035458, AL121653, AC005921, AL080243, AC005037, AC005971, AC005082, Z83844,
AF038458, AC002351, AP000556, AL031295, AC005411, AC004448, AC006077, AC007537,
AL117352, AC002045, AC003950, AC005358, AC005726, AL050307, AL049776, AC003101,
U47924, U80017, AC002425, AF126403, AC007021, AC005747, AL049553, AL021391,
AP000505, AC004841, AL049766, AC005519, AC004797, U95740, AL031659, AC005808,
AL022318, AC006270, AL022238, AL035587, AL135960, AJ131016, AC005544, AC006468,
AC002477, AC005756, AL049694, Z84466, AL031577, AC005088, AC005154, AC005332,
AL133163, AL121658, AC006023, AC002300, Z99128, AC006146, AC004890, AC004996,
Z85986, AL022313, AL049829, AL034549, AP000689, AC005280, AC006271, AC016830,
AC002558, AC005049, AP000114, AP000046, AC004813, AC004596, AL049780, AC007878,
AC011422, AL021155, AC001228, AC007688, AC002347, AC004887, AP000346, AC004598,
AP000512, AL132777, AC006153, Z83838, AC005529, AP000356, AL008633, AP000101,
AC002400, AP000694, AC006251, AC006539, AL009181, AL007308, AC006101, AC005015,
AB023049, AL035683, AC007387, AL022323, AL135744, AP000248, AL020993, AC006006,
AC016027, AL031311, AP000049, AF037338, AC007666, AC004099, AC006966, AL023799,
AC006014, AL022553, AP000311, AF001550, AL117258, AL031005, AL022722, AL132712,
AC004997, AC004491, AC011718, AL050318, AC004148, AC005005, AC007664, AC004000,
AC007312, AL109627, AC008018, AC002350, AC004531, Z97832, AC000353, Z68870,
AB001523, AP000088, AC005192, AC004032, Z99716, AC012384, AI022163, AC005011,

HNHEP86	7668	490390	1 - 493	15 - 507	AC004217, AL049758, AL078593, AC005324, AC012627, AC004106, U91318, AC005696, 268276, U91323, AL021453, Y18000, AC009464, AC002039, AC007676, AC006441, AC005585, and U91325. AW238712, AA715955, AI280266, AA351808, AA158549, AA154476, AA936718, AI053977, AA551056, F17700, AI242502, R70893, AA309634, AA838091, AI457596, AL134615, AA654482, AI192440, AI049630, AA650447, AI280535, AA371534, AI198718, AI054418, AI557422, N95156, AI870453, AA516320, AI612142, AA362697, AA634926, AI610941, AA728861, AI755536, T07878, AI624379, W24312, AW268322, AI079196, AA570441, AI272649, AA487569, AA071045, AA526424, AI969639, AA074351, AI446561, H85808, AL031283, AC007637, AC006006, AC006965, AC002511, AC002430, AC007384, AC008273, AC000379, AC005220, AC002302, Z84487, AC006236, AC000120, Z82198, AC004820, AC002091, Z83343, AC002312, AC003051, AC005015, AL137191, AC006023, AL078477, AC011456, AL049589, AL109842, AC006511, AL023575, AL133312, AL109623, AL133246, AL022718, AL049832, AC002476, AC006317, AC005529, Z85987, AC002465, AC006515, AL133163, AL031000, AL050309, AP000245, AL109839, AF001549, AC005887, 299495, AC005013, 295116, Z82205, AL049834, AF031078, AL009172, AC003012, AF030876, AC006924, AC006013, AC000039, AC003010, AL031650, AC005102, AC006115, AC005670, AP000077, AL109963, AC002527, AC005839, AC007934, AC007225, AC003108, AC005746, AL049875, Z97181, AC002558, AL021396, AC004882, AC004131, AL009174, Z84466, AL049829, AL035448, AC005017, AC006578, AC008085, AC000071, AL049765, AL049869, AL031864, AL096712, AC005084, AF172277, AC006035, AL121754, AC002519, AC002425, AL122020, AC005988, AF118808, AC004750, AL133241, AL034429, AC004647, AC007099, AL109809, AL022336, AL133224, AC004659, AC005355, AC004814, AC005089, Z98304, 293244, AL109758, AC004973, AC000353, AC007388, AC006065, AL096776, AC008009, AL031678, AC002551, Z82193, AC002991, AC006952, AC006600, Z82201, AC006365, AC006062, AL133216, AC004749, S42653, AL031985, AC002126, AC004905, AC005772, AC007308, AL033533, AC012627, AC005902, AC005972, AC003043, AC005156, AL031673, AC002429, AL031584, AB017602, AL031133, AF053356, AL031622, AC004025, AC005057, AF043945, AC008928, AC005625, AL031846, AC003070, AC004531, AL022223, Z82194, AP000513, Z86090, Z85996, AC007055, AB023049, AC004843, AC006084, Z83826, AL031054, AL049694, AC004881, AC005763, AL022326, AC004894, AP000692, AC005332, AC005052, U91322, AF190465, AC004842, AF088219, AC006312, AC003685, AL050350, AC005034, AL109628, AL033504, AL035661, AL079295, AC002470, Z68756, AC007051, AC005786, AL031121, AC005555, AC006211, AC005225, AC003684, AC006430, AC004938, and AC005209.
HNHEL72	7669	760706	1 - 321	15 - 335	AA174128.
HNHEL34	7670	706636	1 - 558	15 - 572	AA410476, R05546, R24833, AW402115, AA356328, AA279222, and AC006011.

HNHEL27	7671	506284	1 - 461	15 - 475	H10749, and Z99127.
HNHEK69	7672	757649	1 - 522	15 - 536	
HNHEJ78	7673	800165	1 - 303	15 - 317	
HNHEJ20	7674	669763	1 - 458	15 - 472	H06131.
HNHEJ00	7675	885553	1 - 305	15 - 319	AI672925, AA639776, AL033376, Z93023, AL049576, AC006581, AC003101, AC005015, AC002302, Z97054, AL035419, AC002331, AC005089, AC012384, AC002430, AC007384, AC005094, and AF069291.
HNHEI37	7676	419752	1 - 286	15 - 300	AA262778.
HNHEH28	7677	973296	1 - 460	15 - 474	H55523, and AL022329.
HNHEG71	7678	760464	1 - 194	15 - 208	AA654661, AI345366, AI310873, AA16792, AL041894, AI926728, AL118991, AI253382, AA51552, AA50469, A108524, AA58443, AA833896, AA833875, AA376760, AA579205, AA581170, H72530, AI908575, AW275498, T59724, AA586661, AA630145, M77893, AA24238, A915205, AA594072, AA351003, AW328000, AA559329, AL050312, AC003037, AL121915, U52111, Z69720, AL049569, AF030453, AC007999, AL031283, AL035587, AL035398, AL031281, AC005067, AL034420, AC001231, AC005512, AL133245, Z97181, AC002316, AC002352, AC005520, AC005730, AC005671, AC004821, Z99716, AC004975, L47234, Z97516, AL022329, AP000349, AL021579, AC002300, AC003693, Z82206, AC004622, AL022879, AC004000, AL035685, AP000505, AC005940, AC007546, Z98048, AP000065, AL049766, AC005859, AC007774, AC007666, Y14768, AP000250, AC006285, AL079342, AI006345, AC005071, AP000350, AC005225, L78833, AC005821, AL034429, AL049776, AC00240, AL121655, AC005288, AC007406, AP000261, AC004051, AP001552, AL078634, AF196969, AP000558, AC004659, AC005722, AC005088, AC005095, M89651, AC007686, AC002039, AC007845, AL035422, AC007541, AC016025, Z93241, AL022316, AL049646, AC006023, AC005695, Z94160, AL021707, Y10196, AC005516, AC004967, AP000240, AP000035, AP000100, Z84466, Z97630, AC004263, AC002398, AC007225, AF088219, AP000127, AP000205, AC007227, AC005183, AL023284, AL031594, AC005578, AL024498, AC009516, AP000030, AP000211, AP000133, AP000245, U85195, AC005632, AC005197, AL133448, AL008718, AC005971, AC006480, AC004449, AC004686, AC004129, AP000096, AP000555, Z98200, AC005952, AL049830, AB020866, AL049759, AL031255, AC006241, AE000658, AC012627, AL031846, AC005786, AC004849, Z97989, AL133353, AC004491, AL133382, AC007664, AL109759, AP000512, AC003046, AC004765, AC002525, AL022576, AC006328, AL031681, AI006996, AC002430, AC004675, AC004336, AC006430, AL031733, AL133371, AC003042, AC005190, AC008040, AC005189, AL031295, AF196779, AB023048, AL109798, AL021392, AC007011, AF031078, L78810, AC004257, AI010598, AC002378, AC004458, AC007172, AC009946, AL121653, AL049873, AC007384, AC000029, AL033521, AL122021, AC005081, AC007050, AC007055, AC003103, AC006530, AC004131, AC002996, AC005180, AC007390, AL022165, AC005060, Z84477, AC004878, AC005328.

FNHEF53	7679	576417	1 - 350	15 - 364	AC002504, AC005921, Z69705, AC006026, AP001056, AC005358, and AL024507. AL121871.
FNHEF08	7680	958854	1 - 494	15 - 508	AA809125, AT732151, AI962030, AI078409, AT755214, AT754567, AI223968, AT754105, AT733856, AA769130, AA536040, AA630854, AI653776, AA579130, AW082104, AA947369, AA410788, AA225406, AT751180, AT792464, AI186438, AI176978, F35574, AA772906, AA515939, AI635028, AW272294, AI826761, AA492495, AI017251, AA126635, AI874201, AI801563, AA634991, AI249688, AA714288, AA297666, AL038842, AA704393, T57767, AI499954, AI923052, AI038304, AI866487, AA579152, AA714110, AA832444, AI820963, AA228778, AW419389, AI446500, AW131356, AI471572, AA251356, AI569100, AL041375, AI284045, AA584493, AA702605, AI355007, T09219, AA713705, AA541532, AA527209, AA011037, AW192599, H23467, AW275953, AA563770, R81017, AW277174, AL079734, AA487226, AW237905, AA904211, AA525807, AI056177, AI923451, AA130647, AW157005, AA598927, AA557911, AA765925, AW270768, AA572813, AI053784, AI343169, AA228824, AA665021, AI452836, AI291037, AI923458, AW275432, AI244157, AW276935, AI076236, AL045476, AI004591, AW271904, AW151247, AI446452, AA644090, AI053977, F03525, AB70453, AA456924, AI689019, AI97218, AI365625, AA746911, AA601278, AI150670, AI619738, AW243808, AA311133, AW023111, AL038606, AA176604, AW301809, AI683514, AA413013, AW088665, AW265006, AL153377, AW327624, AA492584, AC005412, AI236701, AL031283, Z98946, AC006430, AC005280, AC005531, AC005500, AC005353, AC005808, AC002302, AC006080, AL022165, AC005180, Z97180, AC005180, AC005511, AC009509, AC005089, AL009183, AC002563, AC004805, AC004033, AL024498, AC006271, AC004067, AB015355, AL117339, AC004000, AL139054, U17576, AC005971, AC005822, AL022320, AL022721, AC005229, AL049776, AC006211, AC012384, AP000432, AL031053, AC007371, AL049829, AC005072, U95739, AC006011, AC005406, AC006512, AB023060, AL050307, AL133246, AL049779, AL035089, AC005086, AC006211, AL049687, AC005841, Z98941, AL031287, AC006571, AC006116, AC005324, AD000671, AC007308, AC000159, AC005736, AL035086, AC004050, Z83845, AL008718, AL133353, Z82244, AC005922, AC005696, AC002470, AC002477, AC005913, AC007458, AL035400, AC004685, AC002301, AL031311, AC004858, AL035683, AL080243, AC005722, AC005800, AC006441, AL035659, I03071, Z93244, AP000356, AC004605, AL133216, AL121769, AC005821, AC004087, AL022336, U91318, AL117258, Z85996, AP001053, AL031055, Z82244, AC005922, AC005696, AC002470, AC002477, AC005913, AC004890, AL024509, AC003041, I99716, AC002395, AC002395, AC006930, AC006142, AL031643, AC004884, AC005409, AC004049, AC005919, AF047825, AP000065, AP000123, AP000055, AP000170, AC006312, AF196779, AC010197, AC005899, AL034351, AC006537, AL049712, AC005015, AC003692, AC005993, AL022345, AC004453, AL049775, AF165926, AL033376, AC006449, AP000502, AC005562, AC010205, AL035413, AP000044, AP000112, AC004811,

HNHEB03	7681	924619	1-472	15-486	AC009946, AC008072, AC007041, Z81315, AL121603, U89337, AC005529, Z98950, AC004966, AL031284, AC004668, AC007919, AF130248, AC003667, AC005014, AC000026, AB000658, AC004034, AC007012, AL049747, AC004383, AC005058, AC007934, AP000223, Z98200, AF001548, AC004491, AC002059, AC004655, AL022238, AC002565, AC007450, AL024507, AC007011, Z84466, AL133448, AL021154, AC002126, AC008124, AL009178, AC005182, AF130343, AC005007, AL133163, AC006501, AC006014, AF107257, AC002430, AC009044, AL031680, AC000052, U66061, AF045555, AC000025, AC005304, AC002456, AC007385, AP000236, AC009516, AP000501, AL096791, AC005527, AC004449, Z83826, AF222685, AC007384, AC006466, AL133312, AC007546, AC016025, AC000082, AF109907, AL049869, AC004904, AL008627, AP000402, AC005771, AC005703, AC004386, L78310, AC004098, AF053356, Z97196, AC004134, AL109827, AP000557, AC007226, AC005081, AL133245, AL031575, AC005839, and Z98884.
HNHED18	7682	576529	1-486	15-500	AA464805, AW196893, AI808181, AW131666, AA130204, AC007366, and AB011154.
HNHED18	7683	666594	1-665	15-679	R94571, AI247753, and AA678053.
HNHDD25	7684	973295	1-639	15-653	AA441960, AA372392, AI358948, AI160732, and AL022165.
HNHDY14	7685	542062	1-706	15-720	W32067, and AF136745.
HNHDX57	7686	734933	1-458	15-472	W01704.
HNHDX30	7687	692875	1-441	15-455	
HNHDW94	7688	883870	1-556	15-570	AI43256, AI828657, AI308529, AA046906, AA157876, AW265468, AA017583, N99245, AI520984, AV410844, AA527633, AA047057, AA019793, AI571094, AA132929, AI003068, AW021674, AL121039, AF022049, AW162314, AI819419, AW157128, AI872229, AW029626, AA313025, AA828840, H62123, AI049999, AI254267, AI038029, AI791720, AI791408, AA579082, AI888050, R92703, AW162762, AA425283, AI570067, AA618531, AA635433, AW162332, AA633068, AA554289, AI572680, AW274180, AA557945, AI457152, AL039117, AI318548, AI828721, AI754926, H47461, AI521019, AW192930, AI251024, AL119909, AI815210, AW023390, AA610644, AL138262, AI744963, AI445699, AI064968, AW028376, C75332, AA829199, AI344906, AI367920, AI744259, AI884404, AA112864, AA525818, AA664963, AA779599, AI907521, AI253347, AA021061, AA419014, AA652675, AA493245, AI571894, AI000314, AI753131, AA604601, AI885896, AA636077, AI860648, AI805556, AI028148, AI805373, AA494313, AI744890, AW085626, AA632355, AA601336, AI734193, AW238137, AI434103, AA826109, AA629668, AI567676, AI281622, T10292, AA084148, N49298, AI446618, AI745666, F30357, AI288350, W69639, AI734158, AA167656, AA955827, AA657392, AI573198, AA728911, AL043095, AI640905, AI538404, AI751698, AA524604, N57782, N95217, AA846014, AI744766, AW337483, AA829669, AW022796, AA661983, AI300608, AA657808, AI459879, AA523718, AI619933, AC005768, AC005015, AC004876,

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HNHDW16	7689	422903	1-347	15-361	AL031291, AC005829, AC005291, AC005081, AC006071, AL139054, AL117355, AL023879, U15177, AF015416, AF111168, AP000512, AC005261, AC005261, AC005305, AL133246, AC005180, AL008726, AP000133, AP000211, AC005520, AL079342, AL031228, AC005911, AC005808, AC004801, AL031123, AC006538, AC004890, AC005682, AC005632, AC005736, U95739, AC006512, AC004929, AC004993, AC007057, AC006468, L78833, AC005037, AC004999, AC003071, AC005031, AL031663, AL035086, AC005233, AF196779, 297652, AC006480, AL031311, AL251973, AC005329, AC007283, AC004148, AL034420, AC004491, AC002492, AC004797, AJ003147, AL021392, AP000704, AC005102, AC005369, AL049576, AL022323, AC005694, AC005527, AC006449, AL133448, U52112, AC006162, 293017, AC005839, AC005412, Z83840, AC006597, AL021546, AC004858, AC004985, AC005288, AF045555, AC005358, AC000353, AC006013, AC016027, AL022721, AC008134, AC004617, AL022326, AC002312, AC000025, AC005377, AL022336, Z84466, AF196969, AC006137, AC004707, AC005089, AL121852, AC005914, AF053356, AL034548, AC005562, AC006445, AL121652, AC004678, AR036572, U91328, AC004386, AF111169, AC006088, U95742, AC005920, AC005529, AC005399, AC005971, U85195, AC006581, AC007731, AC007868, AC004832, AL035071, AE000658, AC005234, AC002544, AC008009, AC006511, 283844, AC008372, AC004302, AP000432, AC007435, AC004895, 286090, AC005666, AC006511, AP000501, AP000514, AL035079, AC007899, AC005500, U91323, AC006530, AC002425, AL050318, AC002395, AC004000, AC007371, AL078581, AL121657, AC004752, AC004859, AL021918, AL022318, AL035413, AC006057, AC004844, AC005231, AL133163, AC004382, AC005730, AL022165, 294721, AC004983, AC006312, AC004967, AB023049, AL022315, U91326, AC006946, AC006211, AC007676, AC002091, AP000084, AL049540, AC006075, U91321, AC005924, Z81364, U80017, A246003, AP000210, AP000132, 298742, AF011889, AC005779, AL121603, AL020997, AC007193, AL121655, AC005740, AL049761, AL035684, AC005911, U78027, AC004966, U91318, AC004814, AC003010, AL049694, AC006011, AC004031, AL080244, AL031587, AL109623, AC004234, Z49236, AC007021, AC005057, AC006241, AC005353, AL031120, 298051, AL079295, L4410, AC005826, AL096791, AF109907, AC005088, U95740, AP000065, AC005252, AC002472, AL121653, AC005231, AL033527, AL031767, AC005300, 297056, AL008720, AL035422, AC006277, AP000251, AC006379, AC005618, AL096701, AL031591, AL109654, AL121658, AP000345, Z81369, and AC005325.
HNHDV95	7690	559341	1-743	15-757	AA458568.
HNHDV93	7691	792467	1-465	15-479	H47358, H93774, H47450, H93887, AA341061, AA314420, AA313108, AW300902, AA314241, N55700, AA225897, AF147425, AF161523, and AF151868.
HNHDV16	7692	863116	1-592	15-606	
HNHDT83	7693	974277	1-425	15-439	

HNHDT33	7694	576483	1-154	15-168		
HNHDT32	7695	573332	1-110	15-124		
HNHDT19	7696	573355	1-145	15-159		
HNHDT12	7697	576464	1-132	15-146		
HNHDQ05	7698	932223	1-431	15-445		
HNHEM15	7699	660509	1-584	15-598	T19850, AA456956, and T19851.	
HNHDH40	7700	574312	1-309	15-323		
HNHDH03	7701	924895	1-320	15-334	W58300, W58191, AF088040, and AL024498.	
HNHDF07	7702	953883	1-383	15-397		(large accession block below)

T49747, AA077952, AI018726, AA774119, AA805901, N99715, AI570261, AA340003,
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AI017733, AI914706, AI890923, AW029038, Z22626, AA468289, AI732682, AA218645,
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AA973575, AW438539, AI038279, AW337985, AI079910, AW130799, AI445436, AI866807,
AI890052, AI963786, AW103918, AI963263, AL046746, AL079645, AL042856, AA394078,
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AI049722, AA535661, AA827383, AW117936, AW276827, C06327, AI289067, AW088202,
AI43284, AA977743, AA515051, AW440836, AI610159, AA339487, AI431303, AI223626,
AA664535, AA443390, AI567674, AW104748, AL118567, AI474713, AI951889, AI951928,
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| HNHDDS2 | 7703 | 52O297 | 1 - 325 | 15 - 339 | AC004884, AL049589, Z93942, AP000117, AC006518, Z97195, AF020503, U91321, AL022329, AI011930, Z97030, AP000253, AC005003, AC005221, AP000213, AP000135, AC004825, AL031587, AL031311, Z91031, Z97198, AC002523, U77079, U77081, AF060568, AC004750, U71218, AC005568, AC005551, AL121934, AC005903, AC003030, AC005838, U69730, AC007536, AC003088, AC006130, AL031675, AC005187, AC011422, AC006384, AF064863, AL031224, AC005589, AL031904, AC004103, AC002349, AC007436, Z83844, AC006972, AC005772, AL049775, AL132718, AC009509, ALI21652, AC004507, Z83856, AC007793, AC000359, AC005225, AC005781, AC005694, AC000379, AC003688, AP000517, AL035252, AC004955, AC005164, AL021707, AC005527, AC002312, AC022517, AB023054, AC007687, AI006996, AC005529, AL031770, S75201, AC003983, AC004651, AC004760, AP000456, AC005365, AC005841, AC003982, AL080317, ALI21580, Z97053, AC004990, AC007392, AL109865, AFI52365, U52111, AL031431, L77570, AP000305, AP000954, AC005786, AC000041, AP000047, Z84467, AL023799, AP000115, AP000695, AC006352, Z83846, AL022723, AC006011, AC005520, AC002395, AC007559, AL023807, AL031081, AF001550, AC007363, AC005419, AC005412, M20902, AF050154, AL109852, AL096769, AC008165, AF031078, AC007242, AF030876, AL109627, Z83840, AL035045, AC007283, and AL133245.

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HNHDC29	7704	904546	1‑207	15‑221	W80853, AW410086, AW304536, AI818495, AW339111, W76645, AW439646, AI826716, AI345704, AA350859, AI978981, AI814735, AI345794, N5430l, AA528405, AI561060, AC002064, AL049765, AC010206, AL031114, AC006196, AC006385, AL049871, AL021937, AC005213, AC003689, AFI96970, AL121576, AC009263, AC006249, AC005820, AC005872, AC005288, AL031650, AC005562, AC003074, AC003691, AC003678, AC004028, AC008014, AP000500, AI229041, AL078587, AL133353, AC007151, ALO22329, AL137191, AC008039, AC000004, AC005039, AL078638, AC007917, AF001549, AL121852, Z32195, AP000506, AC000119, AL049835, AC005480, AL035695, AC007344, AB000882, AC004775, AC007090, AC004706, AL031965, AC004757, Z92542, AC000066, AC006559, AL121694, AC007671, AC004822, AC005962, AL121757, AC007242, ALO22399, AFI96972, AL008723, AC005951, AC008040, AFI65175, AC004010, U96409, AL133304, AI010770, AP000473, AC006160, AC007751, AC007533, AC004050, AC005146, AL136297, AC007100, AC004745, AC004184, AC007073, Z95400, AC004821, AL050307, AL034554, AC004900, AC004825, AFI06564, AC004964, AL009172, AC006353, AP000014, AC005280, AC002457, ALO22394, AC004009, AC002367, U82828, AC004539, AC005050, AL031737, ALO23799, AC004003, AL096801, Z98946, AC004692, AC007032, Z94056, AL117328, AP000476, ALO33400, AC004103, Z97055, AC006079, AC003658, AL122400, AC006144, AC005393, AL049814, AP000949, AC003051, AC006206, AL109854, AP000245, AL031429, AC006968, L81648, AC008372, AP000244, AC004223, Z95329, Z84482, Z93341, AC007263, AL008633, AL049814, AC006502, AC004889, AL031012, AP000126, AP000204, AC002412, AC005358, AC004769, AC006502, AC004889, AL031012, AC005516, AC004703, AL031588, AC007021, AFI29107, AC004921, AL133289, Z98200, AF207550, AC010722, AL020997, AC006948, AC005234, AFI17829, AC003665, AC005083, AC004051, AC007681, AC008124, AC006195, AL079305, AC003087, AC009802, AC016831, AL136295, AC002538, AL031054, AB019439, U80460, AC008275, AC007377, AC007877, AL034370, AL096791, AC006023, AC006212, AC006430, AL117337, AC005029, AL035425, AL031681, AC005370, AL019753, AL079338, Z98172, AL229042, AC005018, Z86061, Z97180, AL035698, AC007425, AL109733, AC002449, AF064862, AL031665, AC006365, AL109659, AC005255, AC005040, AC007510, AB020863, AC005284, AL035397, AL009029, AC006198, AP000493, U63313, AL096699, AC005193, AL109852, AC005782, AC004216, AL031906, AC007023, AC003075, AC004833, AC006004, AC018769, AL049776, AC004097, AC004067, AC006501, AC002385, AC004668, AD000091, AL049563, and AC006075.
HNHDB69	7705	757760	1‑402	15‑416	U87223, and L77577.
HNHIC284	7706	782897	1‑673	15‑687	N46632. AW438539, AA601202, FI2561, AI963221, AA568623, F08248, W02565, I107953, I61498, AA584733, AA829036, AA588001, AW337237, AI113573, AI431434, AA64490, AL138182, AW022655, AI690497, AA728873, AI536857, AI889566, AC005274, AP001069, AC007058, AL132642, AI251973, AC005697, AC004854, AC004832, AP000330, AP000690, Z98304,

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HNHCY96	7707	796547	1-737	15-751	AL031311, U91321, AC006479, AC012083, AC007008, AC002303, AC005484, AC005534, AB023053, AC004191, AP000516, AL109623, AC004876, AC007878, AL023807, AL096767, AP000343, AC000052, AC005261, AC006417, AL034350, Z93244, AP00967, AC005212, AC008014, AP001037, AC007376, AC007016, AP200465, AC005067, AL035413, AC006236, AL031846, Z75888, Z75887, AC006207, AC002039, AC005138, AC005279, AC004019, AP000036, AL009178, AL031283, AL035696, U73032, Z82176, AL133399, AC002559, AL035407, AC005215, AF196970, AC004386, AL022228, AC005740, AC004167, AC005231, AC004686, AC007276, AP000171, AL031577, AL049776, AL023096, AF038458, AL035414, U95740, AC005548, AB025321, AL031286, AC009510, AL096791, AC005886, AC007129, AL109758, M17283, AL049643, Z82201, AL022320, AC005785, Z83840, AC007056, AC002045, U82668, AL049634, AL078587, AC005225, AC006450, and AC005250.
HNHCY07	7708	953878	1-685	15-699	AL091257, AC002430, and AC007384.
HNHCY06	7709	936061	1-261	15-275	AI341576.
HNHCU08	7710	959944	1-357	15-371	T89316.
HNHCC94	7711	796745	1-254	15-268	AA780572, and N22524.
HNHCO69	7712	754189	1-350	15-364	AA242903, and AW167557.
HNHCO39	7713	705641	1-281	15-295	AA191568, and AC002111.
HNHCM69	7714	757751	1-354	15-368	H58990, and AI902634.
HNHCI11	7715	964952	1-198	15-212	
HNHCI32	7716	861673	1-586	15-600	AF112462, and AR035954.
HNHCG43	7717	574074	1-203	15-217	
HNHCG33	7718	574080	1-148	15-162	
HNHCD33	7719	702679	1-641	15-655	H94849, N71428, R98526, H58466, N99381, and R98479.
HNHCA27	7720	668255	1-451	15-465	H94907, AA577825, AA713821, AA486097, AA583392, AA663182, AA179985, AA584534, AA167544, AA451972, AA773127, AA582052, AA489989, AA464930, AA578664, AA577765, AA167492, AA577803, AA577840, AA504875, AA577875, AA126847, AA581666, AA594706, AA601406, AA169344, AA611393, AA487519, AA662979, AA775210, AA169233, AA490015, AA457219, AA983272, AA834194, AA490019, AA601418, AA167538, AA169557, AA584834, AA206780, AA188953, AA584435, AA169228, AA668372, AA581901, AA780751, AA611153, AA601412, AA490246, AA772877, AA601625, AA121767, AA180281, AA668327, AA722310, AA563828, AA668699, AA456926, AA680277, AA601461, AA121840, AA169344, AA662091, AA594753, AA668151, AA449147, AA490054, AA456941, AA593549, AA112316, AA456979, AA219034, AA584907, AI660363, AA714486, AA490110, AA775329, AA564831, AA663367, N25053, AA584502, AA679143, AA093440, AA720805, AA577773, AA456943, AA434080, AA047233, AA834071, AA581910, AA736954, AA458783, AA584459, AA112323, AA593542, and AA490032,

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AA570355, AA586654, AA630430, AA584768, AA487777, AA315673, T63167, AA935394,
AA45453I, AA457507, T59683, AA780820, T49955, AA715716, AA680290, AA489850,
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AA180465, T61944, AI978961, T50445, AA352946, T57694, AA171696, AA668186, AA485341,
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HNHBZ39	7721	860113	1 - 272	AF149774, AC009405, AC005832, AC005690, AC004554, AL132985, AC002385, AL049838, AL023806, AL022575, AF172277, AC007221, D87003, Z81145, AC004650, AL096704, D87675, AC000021, AL135960, AI131016, AC005248, AC006027, AC005852, AL133321, AL009176, AC006963, AF020662, AC004957, AC003090, AC005688, AC006165, AL035089, AL034407, AL031074, AL034384, Z98172, AL022578, AC003012, AC007392, AC005187, AL033114, AF164343, AL022153, AC004050, AC006362, AL022725, AC004592, AB017651, Z94721, AC007254, AC004056, AF106564, AL035665, AL022345, Z96811, Z98946, AL008723, AC005165, AC005682, AP000696, AL121852, AC005510, AC006031, Z76735, AC005537, AC005939, AC004761, AC007738, AL079305, AC006568, AC006372, AL109865, AP000534, Z93242, AC004711, AC006683, AC003086, AC004886, AC005195, AL117337, Z99569, AC004452, AL008722, AL135784, AP000346, AP000079, AL035594, AC005477, AP000952, AL031075, Z92543, AL132826, AC005922, AL049589, and Z83745.
HNHBX96	7722	796539	1 - 368	AL049591.
HNHBW54	7723	583752	1 - 408	T89446, AW298359, and AI081000.
HNHBU02	7724	920662	1 - 268	AC004531, and AC006007.
HNHBO78	7725	574093	1 - 291	AA490179, AA586883, and AC007263.
HNHBK57	7726	490789	1 - 494	AA808994, AL044322, AF146191, AL122020, AC004828, and AC005067. AI205181, AA229785, AI796594, T07213, AW105737, AW193432, AA578967, AW270768, AI446205, AA745582, AL119259, AA347927, AI281474, AA605266, AA828867, H64777, AW008074, AI865776, AA347930, AA206475, AI291037, F31867, AW440976, AW157005, AW236342, AW275719, AW277174, AW341903, AI028510, AA664248, F19012, AA569706, F23327, AW383542, AA747375, AI984593, AA992126, AI625244, AA653139, AA743811, A114245, AA657835, AI803809, T48723, AI624528, F00533, AI289067, AI431303, AA888777, AI688846, R83838, AI119838, T06828, H95769, AA779783, AI189932, AI611280, AA728894, AW250970, AW383586, AI753365, AW383440, AW383608, AW383628, AW383455, AW383629, AI040313, AI832782, H86579, AI291124, AA654968, AI284595, AA457879, AA715850, AI192631, AI291268, AI524540, AI610607, AI537030, H57846, AA779075, AA608683, AW380074, AA828047, AA34454, AI890688, AI120483, AA936859, AI986251, AA728861, AI246796, AI061313, T57604, N29941, AW383605, AI654529, AA657416, T05101, AA533408, AW338086, AA578695, AW383624, H79308, AI888441, F23272, AI874201, AW383606, AA865262, AA525190, AA653221, AI688928, AI040948, F18974, AI431232, AI910609, H54443, AI804604, AL078581, AC007617, AC005632, AC005539, AC006480, AL031256, AB018280, AC004531, AC004797, AL031291, AC006208, AL020995, L44140, AC002476, AC007486, AL049760, AB017652, AB020859, AC005043, U85195, AC006285, AE000658, AC004167, AL096791, AC005207, AC005620, AC005062, AP000049, AP000116,

HNHB148	7727	860125	1 - 535	15 - 549		
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AL038761, AL526196, AL546899, AA585155, AL525539, AL080031, AL045989, AL037295,
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AR007512, D50010, A11178, E01007, A10361, A11245, 106859, AR043601, AF149828, 103331,
AY2133, E12615, A02710, AR035193, E14304, A07700, A13393, A13392, 162368, AR031488,
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Z32836, E16678, A82653, E16656, A95117, A93016, A24783, A24782, A58524, 101995, A58523,
I25027, 108051, 126929, 144515, 126928, I26930, 126927, 160241, 160242, 105558, AL00699, E00696,
E00697, 108313, 166482, AR009151, 166483, 166484, 166498, 166497, 166496, AR027099, 166486,
AJ230915, AR051652, AR051651, AJ230902, X07299, E12584, A70872, 119525, A22738, 108389,

HNHBH02	7728	918387	1 - 803	15 - 817	AJ230972, D13316, A70869, D13509, AJ230951, AB025273, AJ231009, AR051957, AR035975, AR035977, I18302, AJ231028, E17098, I66495, I66494, AC005913, AR035974, AR035976, AR035978, AR064707, A22734, AR022773, AJ230867, AR054723, I66481, A83642, A83643, I66488, I66489, AR230845, I66490, I66491, I66492, I66493, I36244, A83151, X55486, AR051864, AR051865, A06631, X82786, S60422, AJ231011, AR063812, A24548, A24546, Y14219, X76012, AF006072, I05845, AR031358, AR031365, AJ230996, AJ244006, AJ243486, AR009152, I03669, I03668, A16035, AR017826, AR003381, A68112, A68104, I15553, I33632, A62298, Z30183, AF213384, E03654, A05993, A05973, AR050070, and A82595.
HNHBG42	7729	714044	1 - 360	15 - 374	N35304, AI377191, AA256944, AI803128, and AL332632.
HNHBF78	7730	773747	1 - 583	15 - 597	AA176868.
HNHBF47	7731	949027	1 - 911	15 - 925	AL042580, AB028499, and D87469.
HNHBE75	7732	766526	1 - 480	15 - 494	R42061, and AC006561.
HNHBD73	7733	764293	1 - 561	15 - 575	AA598889, AA877462, AA729004, AI63642, AA460880, AP000692, AC005837, AL080243, AC006263, AC005328, AC005993, AL022476, AL031685, AC004922, AL008718, AC004974, AC004967, AC004752, AC006388, AC002350, AC006443, 298048, U82696, AC006538, AL034420, AL050307, AC005318, AL031983, AC004882, AC005399, AC005480, AC005519, AC005911, AC002418, 293023, AL033504, AC006581, AF196779, AL122020, AL133163, 295152, AL031657, AC005726, 298044, AC007308, AC006261, AL050320, Z80771, AC004534, AC007228, 297630, AC006315, AC007934, AC006137, AP000260, AL049562, AC005372, AC005670, AL035684, AC007537, AC000353, AC006312, AP000099, AC007917, AC004663, AC005288, 282198, AL031284, AL031311, AC005565, AC005531, AC004812, AF067844, AC005821, AC005037, AC004797, 297352, AC006162, AC005375, AL020995, and AC007387.
HNHBC77	7734	772452	1 - 261	15 - 275	N92834, W25061, and AC005074.
HNHAP69	7735	574295	1 - 256	15 - 270	
HNHAP55	7736	574386	1 - 328	15 - 342	
HNHAP32	7737	574393	1 - 267	15 - 281	AC004849.
HNHAP08	7738	959961	1 - 225	15 - 239	
HNHAM81	7739	574402	1 - 103	15 - 117	
HNHAM80	7740	574404	1 - 146	15 - 160	AC006443.
HNHAM33	7741	571334	1 - 107	15 - 121	AI732977, AA907815, AA911504, and AB023421.
HNHAK41	7742	890594	1 - 450	15 - 464	
HNHAI41	7743	712605	1 - 221	15 - 235	AA017301, AA054227, and R85894.
HNHAI07	7744	954088	1 - 156	15 - 170	AI361882.
HNHAF61	7745	742116	1 - 673	15 - 687	W32160, H12099, F11591, R24785, F07709, AF152473, AF152303, and AC004776.
HNHAE19	7746	527975	1 - 551	15 - 565	AA732587, AA747437, AA207014, AA047644, AW015259, AA283881, and AA262271.

HNHAB36	7747	596822	1 - 954	15 - 968	
					AT33856, AW190505, AA702605, AW270258, AA533176, T05834, R91911, AA550850, AW327624, AA659535, AA601278, AA233465, AA515728, AW117740, AT32120, AA857296, AA618263, AW300749, AA493264, AI628224, AA085587, AA525153, AI567523, AI927094, AA668291, F04697, AA579190, H71678, AA324186, AI636627, AI678785, AI809818, AI829331, AI812058, AI570943, AA454177, AI888468, AA508809, AI040051, AA779783, AA491284, AA600202, AA620906, AI457597, AI630283, AW192330, AI144094, AA262752, T74524, AA862312, H07953, AW004884, AI053981, AA573068, AW157492, AA350596, AA229912, AB003151, AC004408, AC005529, AF134726, AL035086, AC005253, AP000689, AC005527, L44140, AC005184, AC005071, AL031276, AC005005, AC007221, AC005903, AL049874, AC012627, AC006111, AC002072, AC004019, AC004841, C99716, AC002350, AC009516, AL121658, AL049943, AL031432, U95742, AP000013, AP000155, AL023575, AL031005, AL031297, AC005694, AP000025, AC003029, AL034420, AC005482, AC000353, AC002395, AC004858, AC007934, AL009181, AL133448, AP001552, AC005940, AL008582, AP000049, AC005519, AC004595, AC000052, AC006064, AC004765, AL133163, AC007216, AC005399, AP000311, AP000359, AC005907, AC004967, AC006285, AL121603, AC007226, AC002563, AC005004, AC005809, AC008115, AL022069, AP000030, AC005363, AL035413, AC005146, AC006079, Z84469, AC004745, AC002331, AC005057, AC004686, AL133238, AC006126, AL034343, AC006312, AC006960, U62293, AC007227, AP000505, AL119628, AP000251, AC002991, AL050307, AF129756, AC003013, AL034548, AC002316, AF196969, AC005619, AL049872, AC003109, AL035398, AC007845, AC002527, AC005520, AL049829, AL033392, AC002301, AC005288, AC005089, AC007993, AL031447, AC005081, AC002045, AC016026, AC002310, AL034549, AL080243, AC005544, AL121652, AC002126, AC006120, AC020663, AC005914, AP000512, AC007263, AF019413, AC003101, AL133445, D84394, AC004878, Z98200, AC007421, AP000558, AL049694, AL035420, AC005971, AL008719, AC004645, AC000026, AC004905, AL021546, AC004854, AL024498, Y14768, Z86090, AC006480, AC006333, AL035415, U07563, U63721, AL022320, AC004859, AC007371, AC007200, AL049776, U85195, AC002477, C99774, AL049761, AC007283, AC006511, AL109984, AC002544, AP000065, Z98749, AC007919, AC005781, AF117829, Z85986, AC008372, AL031722, U91321, AI000658, AL109801, Z94802, AC005837, AL009179, AC005015, AC003688, AC003950, AC005779, AC006479, Z83843, AC007999, AC004517, Z92542, AC006211, AL096791, AC005104, AL049697, AC007676, AL109839, AL008725, AC005411, AC004890, AF207550, AC005800, AC002059, AC006952, AP000502, U47924, AC005578, AC006001, AL031587, AL022313, Z94056, AC007649, AC006275, AC004996, AP000134, AP000212, AL033461, AL109799, AL031427, AC007649, AL031281, AL132796, AC005086, AL022165, AL133371, Z93017, AC007406, AC002425, AC006275, AC004996, AL031055, Z68224, AP000023, Z83326, Z84487, AC004750, AC005874, AF134471, AC005513, AC005189, AL050341, AP000964, AC005539, AL035071, AC004999, AL022336, AL021807, AP000193,

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HNHAB15	7748	973675	1 - 626	15 - 640	AC004158, AC004752, AC005512, and AC005726.
HNGPR43	7749	860142	1 - 291	15 - 305	H65099, and AA601342.
HNGPP74	7750	974046	1 - 724	15 - 738	
HNGPN54	7751	947104	1 - 466	15 - 480	
HNGPM65	7752	972821	1 - 292	15 - 306	AC007429.
HNGPL75	7753	950134	1 - 1119	15 - 1133	AA773970, AA768044, and AC005332.
HNGPL05	7754	974049	1 - 528	15 - 542	AC004541.
HNGPI87	7755	860162	1 - 491	15 - 505	AA169191.
HNGPH83	7756	974045	1 - 217	15 - 231	
HNGOZ40	7757	969158	1 - 607	15 - 621	AA132013, AW014651, AI675608, AI248426, AW071964, AI480054, AW002112, AI248788, R44057, AI890868, W88679, AI566382, AI014337, AA768893, AA404555, AA992522, AF155098, and AF135016.
HNGOY68	7758	860169	1 - 676	15 - 690	AI073971, and AW058089.
HNGOY32	7759	954991	1 - 739	15 - 753	AA601697.
HNGOP63	7760	973415	1 - 760	15 - 774	AC005343.
HNGOP40	7761	860182	1 - 719	15 - 733	AA137024.
HNGOO88	7762	860179	1 - 351	15 - 365	T70563.
HNGONS6	7763	974038	1 - 724	15 - 738	
HNGON24	7764	860183	1 - 707	15 - 721	AA573222.
HNGOK04	7765	972752	1 - 598	15 - 612	AL023882.
HNGOF70	7766	860195	1 - 301	15 - 315	AA236911, AA417620, AA824640, AC007216, U95742, AC002045, AC002039, U91326, AF001549, and AC002544.
HNGNY72	7767	860198	1 - 528	15 - 542	AA593483, AA585098, AA585325, AA170832, R29657, T18597, AA585101, R45895, D53161, R28735, R29445, D57491, AA585155, C15406, AA585439, D59751, Z32822, AA585378, Z32887, AI557262, R28892, AI557864, AI541356, C15069, AA585329, AI526140, AI541365, AI525500, AI557740, R28965, D61185, Z28355, D59436, AI526184, R29218, D60844, D60765, D54897, AI526078, AA585476, AI557731, AI525316, AI557763, R28967, R28895, AI541200, AI541335, AI546971, C16315, AI525556, AA283326, AI541383, AI541517, AI547250, AI546875, AI526016, D61254, AI557717, AI557734, AI546999, D53472, AA583356, AI557718, AI557787, C16293, D53447, AI541013, C16294, C15120, D52835, AI547039, D55233, AI525306, D78224, C16300, AI541374, C16292, AI541034, AI526194, AI546945, AI525431, AI526191, AI557807, AI557155, AI547196, C16305, C15762, AI557408, AI557758, AI541523, Z30131, AI557809, R29179, AI525339, AI541034, AI526194, C15737, AI540903, AI546921, AI541307, AI526112, AI546996, AI540967, AA583453, AI546891, D60730, AI547006, AI557602, Z33359, AI540974, C16296, AI547202, AI525320, AI557279, D57186, AA585430, AI557808, R29177, AI541321, AI526024,

HNGNY16	7768	806017	1-628	15-642	D54850, A156109, D51433, R29262, A153639, C14208, R29172, A154527, A156176, A157533, A1535660, A546829, C16290, A526113, A526138, A156138, D59458, A525856, A157039, A1547137, A156967, T19407, A154683l, A1526073, A526180, A154510, A1525656, A1526117, A157264, T41289, A526195, A1525286, A154191, A526205, A152532, A154142, A154151S, AA174170, Z36724, AA585434, A585117, A154149, AA585440, A1526187, A239433, A540902, A155704l, A157238, A154718, A157852, C14322, T41329, A1526146, A154102, A154891, A154142, A154132, A154145, AA585389, A154682, A1541415, A157786, A1524890, A157799, A154685, A157082, C14391, A154690l, A157317, A1525168, A1557285, C14723, A154151, A1546954, A154101l, A1525114, A154082, A1557810, A154151S, A1525076, AA585420, A154142, A154139, A154107l, A154107S, A157785, A154150, D61060, A154094, A154702, A155779, A1526169, A154707l, A154715, A1525653, A1557802, A154141, A1R062871, A25900, AR03855, Y09813, X82786, A1E395, A70872, A70869, A185476, AR037157, Z32836, AR05472, A244005, Y16359, AF082186, AR03876, U87250, X81969, D50010, D13509, A244004, A20702, AR062872, AR062873, A20700, A43188, A43188, D78345, AR017907, A244003, X55486, X76012, AC005913, AR03135, AR03136, AR008429, A98420, A98423, A98432, A98436, A98417, A98427, AR017826, A244006, A98767, A93963, A93964, I63120, A243486, AR003381, Z30183, A16298, AF213384, AF15243, AR050070, A82595, A82593, AB005666, AF006072, A113195, X82834, Z79435, and L36913.
HNGNY02	7769	918626	1-546	15-560	N53256, and N48058.
HNGNX66	7770	974035	1-655	15-669	AA593459, and AA601626.
HNGNU85	7771	974037	1-688	15-702	
HNGNS91	7772	973432	1-560	15-574	
HNGNN81	7773	974124	1-511	15-525	
HNGNN01	7774	915226	1-654	15-668	AA776772, AI754955, AI830390, AA491814, AI053672, AW022379, AW168342, AI245679, AA181773, AA634227, AI273185, AI281881, AW088058, AA441788, AA457592, AI284640, W79504, T08638, AI471481, AI334443, AW303196, AW274349, F36273, T05101, AI564185, AW301350, AI358343, AA640772, AI674873, AA132914, AI291268, AI291124, AI273193, AA371533, AI446464, AA177061, AI891591, AI076616, AA284179, AI334435, AW407578, AA338486, AA649642, AI268599, AI707788, AW300625, AA364224, AW406447, C06303, AA581903, AA669251, AI432270, AI624698, AI061227, AI120502, AW419262, AA514737, AA810370, AA831375, H91305, AI888008, AA665021, AI281903, AI143242, AA349366, AI732120, AI859251, AI352078, N25296, AA744031, AI801701, AI287451, AA598586, AI287651, AF150152, AW151896, AA569387, AI817516, AA134367, AI364020, AI046898, T07451, AA368936, AW162489, AI653995, AW270270, AW073470, AA451612, AI471543, AA828856, AI561255, AI640702, H13757, AA482681, AI537030, AI133164, AA827023, AA862173, AA713891, AA528516, AI435544, AI754253, AA578391, F19012, AI299050,

HNGNJ46	7775	860212	1 - 475	15 - 489	AA53725, F10924, N63352, AA502155, AA604897, AI732186, AA652057, AA323749, AI352114, AA610491, AI709365, AW192154, AA838140, AI216799, T06828, T08914, N71930, AA665330, AA661948, AA512293, AA670468, R97934, W47287, AC004460, AC006328, AC005630, AC005154, AC006312, AI096701, AL031668, AC004890, AC007242, AC002448, Z97630, AL132712, AC004099, AC005488, AC007536, AF07705B, Z82205, AF001549, AF190465, AC005233, AC005324, AC007050, AC006014, AP001053, AC005332, AL079303, X75335, AL05018, AC004783, AL031283, AL133448, M19482, X52851, AC002544, AC007488, X74558, AC005544, AC004033, AL035587, AC005037, AC002273, AC006353, AC005091, AP000207, AP000129, AF121781, AC002404, AC002994, AF053356, AC006001, U91326, AP000459, AL008721, AL020993, AF152365, M87919, AL096712, AC005839, AL022721, AC009946, AF129756, AF165926, AP000130, AP000208, AL022332, AP000354, AP000018, AP000247, AC003070, AP000168, AC008282, AL133371, U73169, Z83480, AP000460, AC005175, AC006205, AC004825, AC007229, AC002549, AC007565, AC008055, AC005624, AL133249, AC008079, AC004884, AC000004, AC007040, AC003664, AL049843, AL033413, AF196971, AC007324, AC008372, AC008101, AL031053, AC03043, AL033521, AL031286, AC006039, AC006487, AL021707, AB020866, AC004765, AL050307, AL021878, AL033458, AL009179, AP000502, AC005620, Z99756, AC002090, AC005071, AC003007, AC007159, AC005041, Z83340, Z15025, AC010382, AL078639, AL078477, AL035457, AC006211, AP000350, AD000092, AL049766, AC007051, AC007100, AC006241, AF157623, U47924, AC007919, AC005102, Z36090, AC003112, AL121658, AL031719, AC007682, AC005771, AC006449, AC005940, AL133241, AC005503, AC000372, AC000003, AF161343, AC004992, AC007066, AL049873, AC005696, AC006965, Z84572, AL031650, AL031281, AC007193, AC005632, AC010169, AL022318, AC007842, AP000347, U75931, AC005261, U91327, AC007130, AC004987, AB022785, AL121852, AL023575, AL121694, AC007032, AC000052, AL031846, L47334, AC004217, AL031289, AL022476, AC002457, AF043945, Z85987, AP000696, AC005523, AC005837, AC007371, AC006210, AC000081, AL022283, AP000466, AL031670, Z82244, AL121603, AL121825, AL031311, AC004984, AC006285, AC007671, AC003959, AC004876, AL022322, AC002422, AC004865, AP001068, AC008015, AL023799, AP000044, AP000112, AC002556, AC002326, AP000473, AC004019, and AC005768.
HNGNI78	7776	860216	1 - 366	15 - 380	AA126935, AA807689, T40495, T50099, H65096, R07589, T50151, AI801031, R93174, W90100, AC004259, AP000703, AC004600, AC008124, AC006509, AC004815, AF050154, AC005043, AC005049, AC005274, AC008085, AL109952, AC007193, AC005520, D28126, AC005081, AB015355, AC007899, AC002044, AC005015, AC006126, AP000704, AL034418, AC004551, AC005300, AL050318, AC004973, AC003029, AC007314, AC006026, AF069489, L44140, AC002564.

					AL031905, AC002347, AL035249, AL049835, AC004841, AC006261, AC006946, AC005386, AC000773, AC005261, L78810, AC004836, AC006011, AL031432, AC007160, AL049760, L40817, AC000720, Z99390, and AC002511. AC007786.
HNGND75	7777	974968	1 - 672	15 - 686	
HNGND01	7778	915294	1 - 762	15 - 776	AI022226, AI129665, AA127628, AI130001, AI301039, AI141043, AL035865, AW270721, AW005796, AA534994, AI478710, AA404247, AI683640, AI935858, AW264511, AA121530, AA668748, AA557266, AW087692, AI955181, AI628202, AI086050, AW090542, AW166084, AI986269, AI983208, AI377124, AI683889, AA541435, AI081338, AA725813, AW070580, AA179522, AA932109, AI620840, AA810479, AW439451, AW068961, AI033877, AW49540, AA133498, AW189306, AW088358, AA601021, AW090306, AA872331, AI920839, AI635641, AI214106, W86782, AA551354, AI610664, N51942, AA211133, AA126908, AA535619, AI081495, AI335620, AI884357, AA115738, AI297995, AI911637, W47028, N20983, AI887390, W73516, AA890394, W72695, AI680273, AA620718, AA578586, AI276552, AI190252, AI325166, AI476083, AL035750, AW305374, AW162495, AI469122, AW081889, AI079436, AA774108, AI342284, AI473922, AI973240, AI039051, AA084585, AI826973, AA826611, AA702028, W49770, AA598477, AI049540, AA180213, AI060720, D57533, AI001812, W73499, AI032492, AL047379, AI398664, AI074393, AW069375, AA706382, AI263477, AW243728, AI168559, AI753147, AW305310, AI289970, AI052705, D54869, AW264770, W77810, AI493416, AW268388, AI051099, AA598495, AA514907, AI287981, R66430, AA747253, AW364206, AI933724, AI493365, AI219361, AI360733, AW020272, AA676604, AI609237, AI824623, AW022871, W05044, AW002671, AW087153, AI928872, D53483, AI174366, AI730111, AI187825, AI041829, AA853124, AA177457, AA501361, AW130490, AI273536, AW089817, AI859433, AI818678, AI105827, T63494, T10144, AW132076, AI127320, AI979199, AA622833, AI583649, AI754770, AA809076, AI753765, AI096355, AA703919, AI753332, AI299238, AA602670, AA579625, T67471, AW022545, AI492509, AI057100, AI583931, AI047743, AA553746, AA083167, AA778087, AI190949, AW262610, N63572, AW337252, AI190389, AW339759, AI041973, AI678856, AI140137, AI146987, AI81361, AI837153, N33083, AI890665, AA232549, AA788865, AW273394, AA568739, AI302621, AA770664, AW150725, AW273028, AI243228, AI937304, AI373008, AI423914, AI264872, AI251821, AA039947, AI866531, AI250692, N80040, AI028651, AA738286, AI702397, AI202482, AI783520, AA875881, AI263698, AA598774, AI338061, W32221, AA480150, AI470708, AI628500, AA115683, AI929829, AA070897, AW069880, C75038, AI274672, AA199627, AA084814, AA367443, W73373, AA134177, AI446560, W92997, AI364426, AA910384, AW385410, N34478, W48673, AA084513, AA630578, AA854828, AW197913, AA812131, T16010, AI561055, AI085001, AW049610, D14812, AB025049, AF070616, AF070664, AF131347, AL137697, AFI61546, AF100615, AR051470, AR051511, R52817, R62932, H08211, N74682, AA082060, AA232343, AA600929, AA580303, AA662255, AA731060, AA828583, AA206628,

| HNGNA49 | 7779 | 974907 | 1 - 606 | 15 - 620 | AA653675, Z21558, AA904436, AA773870, AI583553, and AI610630.

AW378532, AA837655, AW360855, AA704393, AA576336, AI810682, F05324, AA527209, W05286, AA468022, AA487775, AI734144, AI254913, AA837035, AW084745, AW084739, AI800168, AA569183, D34614, AI031055, AA004881, AR060138, AF129108, AI022336, AC004253, AP000502, AC004408, AF053356, AC007899, AC005049, AI008718, AL034548, AP001053, AL035397, AC007193, AC005015, AL031053, L09706, AF019413, AC003665, AJ229042, AC006468, AC004084, AC004019, AP001069, AC006252, AC004686, Z94056, AL031133, AC006130, AL021918, Z95114, AL022146, AP000348, AP000347, AC005280, AC004962, AC000052, AC005725, AL133321, AC002049, AP000170, AP000055, AP000123, AL035067, AC002472, AC004472, AL031680, AL135744, AL049540, AC004975, AC002301, AC002395, AC005900, AL049869, AL022318, AL031595, AL035695, AL031311, AC009247, AC007151, AC002543, L35667, AF135187, U73024, AC005612, AL031848, AL022238, AC005070, AC004776, U85195, AE000658, AP000210, AP000132, AL035587, AL034554, AC004072, AI011930, and AP000466. |
| HNGMY91 | 7780 | 974056 | 1 - 735 | 15 - 749 | AI246796, AI110760, AW080811, AI380617, AA449669, AA715506, AI567391, AA742818, W45215, AI124798, AA565911, AC006449, AC005695, U47924, AC006026, AC005516, AP000556, AF030453, AL049780, AP000552, AC002425, AC005088, AC005089, AC002470, AC007707, AC005086, AC005071, AL133445, AC003684, AC005274, Z93023, AP000688, AC016830, AL096791, AC007461, AC016027, AL050332, AC005049, AC005225, AC004859, AC005081, AC005015, D87675, AC004815, Z83844, AC004854, AC007216, AF109907, AL049776, U91323, AC004475, AC007666, AC004531, AC004983, AL031587, AC007421, AL000179, AP000350, AL049872, AC002472, AC002477, AL022326, U95742, AC006312, AL049539, AP000502, AC004491, AC007263, Z95115, AC007664, AC004797, Z98884, AF134726, AC005837, AL022336, AC007358, AC004477, U80017, AC004967, AC002375, AC006011, U82828, AC005057, AC007686, AL009181, AP00248, AC005971, AL035681, AC005332, AC005881, AL022320, AP000045, AC007371, AL031282, AC006006, AC007226, AC002316, AP000049, AC006014, AC005067, AL096712, AF001549, AC006571, AL035681, AP000557, AC005037, AP000692, Z99716, AL121658, Z84480, AC004584, AC003109, AC004858, AP000311, AL96701, AP000689, AB023049, AC003982, AD000092, AC006511, AC004106, U62293, AC002546, AC004520, Z93930, AC005237, AL031662, AL078638, Z84469, AC005839, AL035460, AC007637, AC007308, U95739, AL031595, AC006285, AC005261, AC007774, AC005899, AC004821, AB003151, AL021578, AL034549, AC003108, AC006449, AC005599, AL031311, AC006455, AL121652, AL022316, AC005823, AC005535, AC005562, AL109627, AC005884, AP000212, AP000134, AL035450, Z83840, AP000252, AC000353, AC006251, U91326, AP000300, AC004605, Z98304, AF111168, AC005778, AP001053, AC005488, AC005841, Z95114, AC007283, AL010770, AC004878, AL022332, AC002350, AL133448, AC004148, AL121578, AC002550, AC005519, AF196779, AC005578, AL049869. |

| HNGMW65 | 7781 | 950173 | 1-405 | 15-419 | AC005412, AL049832, AC006211, AL031005, AC005231, Z98036, Z81364, AC005632, U52112, AC004765, AL022353, AC005200, 191318, AL049795, AL133163, AL121655, AC003104, AC007011, AB026898, AC002511, AL049636, AC007546, AP000553, AL049830, AC004659, AC003101, AC002558, U85195, AC005102, AC007685, AC004450, AC008394, U82668, AC004253, AL031291, AC000035, 269917, AC006241, AL031295, AL122020, AL031670, AL139054, AL109758, AC000052, AC005610, AP000113, Z73417, AC005736, AL031664, AC003043, AP000031, AF001550, and AC000025.

AA577906, AW406447, AL138265, AA587256, AW406755, AI858229, F25135, AI365988, AI061334, AI063720, AI611280, AA623002, AI446638, AW276827, AA630925, AA482711, AI350211, AL046409, AI619997, AA559290, AW192265, AI610159, AA649642, AA484696, AI311557, AI341664, AI688846, AA431303, AI284640, AA491814, AI344844, AA610491, AA569284, AW193432, AA634227, AL119691, AL120269, F29989, AI049634, AI281881, AL036382, AI345654, AI375710, AA581903, AI090334, AW302013, AI610840, AL048925, AW438643, AA551503, AI298710, AA669453, AA177061, AA719805, AI571512, AA984708, AW439558, AW189303, AI471481, AW270270, AI754658, AI270117, AI434695, AA525190, AI446464, AI053672, AA630030, AI289067, AA350859, AW148792, AI148277, AW303196, AA654771, AW274349, AT44827, AA810318, AI814735, AA56947I, AW088846, AI143242, AA493471, AI305547, AI249997, AA394271, AI499938, AW304584, AI633390, AA664535, AI561255, F36273, AW301150, AA826303, AA806796, AW162489, AA747276, AI379719, A262909, AW276435, AI744995, AI334443, AI801591, AL041368, H88666, AW276817, AI471543, AI085719, AA829223, AI537955, AW082108, AL038705, AW406162, AA568778, AL042420, AI286356, AI368256, AA682912, AA977743, AW408717, AI345681, AI345675, AI279165, AI634384, AA502963, AA641103, AI287651, AI133164, AA491831, AI772120, AW089322, AA572713, AI357551, AW339568, AI888008, AA468022, AA134367, AW338419, AA515905, AA491762, AA364224, AI860020, AW303876, AW238278, AI273968, AI281697, AL037683, T40617, AA64538, AI064864, U62293, AF015148, AF015149, AC005295, AL132712, AI008635, AD000684, AF038458, AD000092, AL031650, AC004019, 269917, AC005914, AC002072, AC004596, AL023553, AC007564, AL035659, AL031584, AC009247, AC005841, AC004894, AL049631, AL035361, AC005015, AP000356, AC007666, AF196779, AC002395, AP000248, AL021940, AC005829, 293241, AC006026, AP000354, AC002470, AC007308, AL031286, AL117352, AC005387, AC004263, AC007541, AC004821, AC004895, AC004849, AC008372, AL031225, AL031662, AC003007, AC006274, AC004848, AP000692, AL080243, AC005253, AC005907, AF045555, AC006120, AC005003, AC005410, AC005081, Z82244, AL049759, AL121578, AC007065, AC005876, AL132800, U73479, D87675, AL080242, AC006571, AC007151, AC006511, AC002377, AC006195, AL03442, U95742, AL121934, AL121748, AC002059, AF039907, AC002430, AL031848, AC004857, AL049712, AL109802, AC004534, AC006312, AC005264, AL022323, AL034547, AC008079, AC006128, AL023803, |

HNGMET40	7782	930430	1-601	15-615	AC007216, AL008730, U35114, AC007384, AC012627, L47234, AC005820, AL109980, AC007227, AC005189, AP000142, AB023049, 293930, AC004622, U66059, AC005821, AL034451, AL035086, Z86062, AF190465, AC010722, AC005251, AL049643, AC006116, AC005412, Z82097, AC005923, 299571, Z84487, 295124, AC005940, AC006130, U75285, AC000353, AC005971, AC004690, U63312, ALO21578, ALO21578, AC002538, AC007191, AL139054, ALO22302, AC004884, AC005324, AP000555, AF067844, ALO21453, ALO78477, ALO31734, ALO31657, AC005799, AC016026, AC003101, AC007687, AC004099, AC005632, AC005781, AC002128, AC004859, AC007226, AL132641, AC010168, AF055481, AL121658, AC004975, AC002984, AC004593, AF010238, U78027, AC004638, AC004933, AC005899, AL096712, AC005377, AC006271, 298051, AC003957, AC004799, AC005288, AC018769, AC005900, AL079340, AC002400, AC006241, AC006002, AC006211, AC003982, AC006581, AL049636, AL034420, AC007245, AC020663, AC006344, AC003119, AC004797, AC007324, AC002347, AL035587, AC007792, AC011604, AL022507, AC006480, AC004814, AP000517, AC005257, AL049557, AF123462, AC005783, AC006965, AC005274, Z85987, AC002350, AL133289, AC002451, AC008134, AC004008, AL035496, Z82178, AC009516, AP000512, AC006076, AC004754, AC006208, AC003664, AL031224, AC005089, ALO22315, AC002425, ALO08718, AC018633, AC007043, AC005154, AC005730, AC005913, AC007358, AC005280, 297630, AF128525, AC004650, Z33826, AL049647, Z98036, AL031123, ALO23807, AC005242, AC006960, AC005399, AC008018, AC007298, AC004547, AL132774, AC004989, AC009509, AC007011, 297195, and AL035458.
HNGMM11	7783	966099	1-456	15-470	AI620554, AI453794, and AI040063.
HNGMLI2	7784	934389	1-629	15-643	AA256983, AF057159, AC009247, 257759, 256080, 264954, and 256081.
HNGMF02	7785	955660	1-1026	15-1040	AI380529, AW293019, AA812027, N34824, AI84128, and AI91525. AI66778, AW449078, AI808063, AA652238, AI810731, AI819769, N20962, AA854352, AI868698, AA015950, AI146603, AA577040, AI768021, H20848, AI685171, H92976, R54801, AI424950, R85513, R73898, AI566765, AW055158, R93702, AW271967, AI885110, AA702855, I98871, AI251907, R37618, N58807, AI200592, AA422051, AI640769, AI825895, AI685990, N29973, AI183275, and AF131764.
HNGME04	7786	927020	1-612	15-626	H53494, AI240767, and AI121998.
HNGMD02	7787	790887	1-575	15-589	T40288.
HNGMD48	7788	974358	1-563	15-577	
HNGMC01	7789	915310	1-1007	15-1021	AI146451, AA022541, and AA022540.
HNGLY12	7790	968919	1-479	15-493	AI024747.
HNGLY08	7791	948825	1-834	15-848	D81111, C14227, D51799, C06015, T11417, D80253, D59859, F13647, D80168, D59889, D51423, D80166, D58283, D59619, D80210, D80240, D80366, D80195, D80049, D81030, D80188, T03269, D80219, D80191, D80043, D80227, D51079, D57483, D80196, D80269, D80038, D59927, D80193, D80024, D59275, D80022, C14429, D80045, D59610,

HNGLS90	7792	787446	1-604	15-618	D80014, C14014, C14407, D59502, D80378, C75259, C14298, D80241, AW178893, Z21582, AI557751, D50995, D59695, C14389, C14331, D52291, D51250, T1105, AI557774, D81026, D80258, AW177440, AA305409, AW369651, D80268, AI910186, D58101, D58246, D80522, AW378539, D59503, AW352117, D80251, AW179328, D51022, AA514184, AW178775, T02974, AA305578, D80133, AW360811, AW176467, AA514188, AW375405, T03116, AW37671, AW178762, AW360817, AW366296, AW360844, C05695, D59467, AA514186, D59627, AI535686, C15076, D80164, AW360841, AW360834, AW178907, D80248, D51060, AW378540, D59787, D59373, D80157, D80439, C03092, H67854, AW178908, AW375406, AW378532, D51213, AW378534, AW179332, D80247, D45260, AW377672, AW179023, AW178905, D51759, AA809122, D51103, D50981, H67866, C14344, AW352171, AW378533, D59653, D80302, D51221, AW352170, C14973, AW177505, D45273, AW178906, D59474, A525917, AW377676, D59317, AW179024, AW177456, AI525920, A525235, AI535959, AW178909, AW179329, AW179018, AW178980, C14957, D60010, AW177733, AW378528, AW178754, T03048, D59551, AW178914, AW177728, D80228, D60214, D60010, A525227, C14046, C16955, AI525923, AI525912, AA285331, AI535961, T48593, AI525215, AW177731, AW179019, AI525242, AW378543, AW352120, AI525925, AW352163, N66429, C05763, AW378542, AW367950, AW360855, Z33452, AI525522, AW179020, D51053, AW178774, A525237, Z30160, AW178781, C04682, AL049158, AW178911, AW352158, T02868, AW179004, AW178986, C13958, AW177734, D31458, AI525216, AI525238, AI010949, A62298, A62300, A84916, AJ132110, X67155, A67220, D89785, X68127, A78862, A2S909, AR018138, D26022, D34614, Y17188, D88547, I82448, AR016808, AR008278, AB028859, AF058696, AR060385, A82595, Y12724, AR054175, I14842, AB002449, AR008277, AR008281, I50126, I50132, I50128, I50133, X64588, A70867, AR062872, AR016514, I79511, A94995, Y17187, AR060138, A45456, A26615, A052274, A43192, A6261, A43190, AR038669, A64136, A68321, AR066488, Y09669, AR066487, A30438, AR008443, AF123263, AR016691, AR016690, U46128, X89963, AR032065, D50010, AR008408, AR060382, and AR060133.
HNGLR54	7793	972812	1-641	15-655	W93091, AW207524, R01213, AI016019, AI242115, and AW136066.
HNGLO21	7794	974067	1-773	15-787	D80133, C03092, H67854, Z21582, C14298, D59619, D80210, D80240, D80219, D80064, C14014, C15076, D81111, D51423, F13647, D80439, D81030, D59503, D80157, D59502, D80166, D80212, D80949, D80168, D59653, D51053, D50995, D51079, D80188, D59373, D58246, AA305409, D51799, C14389, AI535665, and D59951.
HNGLL07	7795	952236	1-597	15-611	AA128161.
HNGLK36	7796	974584	1-650	15-664	AI587470.
HNGKY10	7797	963459	1-150	15-164	AP000219, and AJ011931.
HNGKS34	7798	974368	1-426	15-440	
HNGKQ80	7799	860306	1-703	15-717	AA457656.

| HNGKG32 | 7800 | 860307 | 1 - 807 | 15 - 821 | W91887, W01167, AI612280, AI50211, AI341664, AA365347, AA584749, AI282907, AI344844, AW747398, AW193265, AI284640, AI061334, AI688846, AW199432, AI431303, AI471481, AI345654, AW276827, AI963720, AL046409, AW264973, AI89000, AA553561, AI205126, AI610159, AA719805, AL041412, AW338869, FI9258, AL041368, AI814735, AA659083, AI015912, AI537185, AI340453, AI379719, AA558697, AI289067, FI35659, AA654627, AA515435, FI8974, N23649, F36273, AA350859, AI312149, AI619997, AW261871, AA366035, AA551509, AA228329, AI375710, FI3204, AA176924, AI914706, AW291705, AI003172, AI565555, AA658235, AW439558, AI565582, AA626747, AI270343, AW439839, AA650244, R93081, AA580662, W60516, AA515128, N71724, AW083402, AA578141, AW438643, AI053672, AA605274, AW419262, AW339568, AI493634, F29989, AI240891, AW172727, AA593060, AI334443, F57286, AA362700, AA244329, AI754658, AA308806, AA338431, AI110770, AA340003, AI276164, AA31770, AI349874, AI557323, AI358229, AI435544, H16048, AW406755, AA077817, AI365988, AW022046, AI003743, AA310158, AI270117, AI742771, AW339687, AI634384, AI635272, AW264959, AW275674, AA553385, AI287284, AA837755, AL048925, AI318652, F26152, AW083364, AA843450, AI332991, N53150, AL079935, AA826032, AI150152, AI037914, AA021133, F37223, FI3799, AI471543, FI3796, AI499004, AI859742, AA559290, AW069807, AA451612, Z98473, AW303876, AI830390, AA584458, AI216799, AW269639, AA648110, AI951889, AA507547, AI744188, AI872421, AI565245, AI885167, AI446464, AI138265, AW104748, AA557879, AA299601, AI358897, AI049634, AA292574, AA095511, H64560, AI281881, AA626678, AW088058, AL119984, T40338, H92005, AA714595, AA428414, AI801600, AI679379, AA342958, R44592, AI358343, AI624698, AI890928, AI679888, F37169, F24284, AI890570, AA829106, AA743956, AA342901, AL118947, AA652057, AA434484, AA919037, AI184226, AA649642, AA947547, AA641989, AA733208, F28576, AI193007, W56200, AI608626, AI561335, AW419118, AI569086, AI886176, N43757, AA057056, AI612032, AW406447, AA218645, AA557325, AI281903, AI287964, AI064864, T40617, AW337985, AA515951, AI287651, AI043721, AI039958, AI339850, AI249997, AW023672, R91994, AA663306, AI305547, AW167267, AI148245, T07451, AI079910, AI266133, AW276435, AA501722, AI962050, W25284, AA664535, AA450199, AI567674, AW130799, AI474713, AL038785, AA445436, AL041690, AI133164, AI358302, AC004603, L13709, AC008134, L13713, AA006996, X55926, S70697, U02058, AC007437, AC006999, AC006002, L13714, AC007298, AC007681, U18394, AA554126, AC004006, AC006374, AC002289, U18393, U57006, X54180, U02063, AL022329, U57007, AL031732, AC010169, AC003075, AC004773, AC006275, Z98051, U05754, AC007656, AC004833, AF064863, AC009227, AC005293, X55931, AL096776, AL022302, AL031257, AC002377, S70694, AC003100, AC005533, AL031965, AL078593, AC005037, AL132985, AC006925, AR042836, U02531, U18390, AC007227, AC002094, AC005553, AC007919, AF015150, AF015151, S70707, AF015149, AF042090, X55928, U57009, U13392, M87918, L81648, U02532, |

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					Accession Numbers
HNGKM74	7801	942758	1-975	15-989	U57005, AC008059, AP000468, AJ011932, AC003691, AL031294, AC007076, AC004055, X55925, AC007677, U18391, AF067122, AC004933, AC002402, AC007688, AF015156, M96868, U18396, AL136363, AC006005, AC005785, 295124, AL031178, AL096770, AC005002, AL096712, AC006501, AC005913, AC005234, AF029308, U18399, AC005144, AL031312, AF064866, U95742, AL008629, AC007216, AL133500, I51997, AC002128, AL109618, AC004519, AL121593, AL035665, AC006036, AL121652, X54176, AP000020, U18395, X55924, Z84814, AF041427, AC004040, AF121781, AC003003, AC004547, AC005993, AC004953, AC004816, AC005747, AC006040, AC008039, AC007364, AC005323, AC006195, AJ011930, AC004875, AF015148, U02507, AL031012, AC005242, AL031116, X55932, AF015152, AC007011, U67221, AL035361, U69569, Z84485, X03272, AL022166, AC004970, AC006199, AC005859, S83170, AC004057, AC004948, AC007204, AC004889, AC005731, AC004534, AC005962, AC005399, U18398, Z49769, K03021, AL121934, U69730, AC007393, AL049845, AC005161, AP000095, AP000239, AC006344, AC009479, AC007065, AL117356, AC002531, AC005516, AR036572, U91328, AC004019, X55922, U57008, U67214, X54177, U35114, AL096765, AF010238, AW09481, Z68869, AB014080, AC006565, AC00355, AC004643, AC004206, U63312, AP01043, AF18410, AC002540, AC004041, AF068862, AC004502, AC004612, AC003016, AL023799, AC015853, AC002383, AF188025, AP00514, AP000046, AP000161, AL035694, 298172, AC007848, AC004900, AC004629, 299571, AC003977, AC005484, 295400, AL035067, AC001231, AL096829, AC006006, AC04351, AC004884, AL031668, AC004066, AC004010, AL031904, AL078463, AC006204, AC004859, AL132708, AC003081, AL020995, AC005039, AL034549, AC005157, AC007151, AC006033, AC005821, AC009223, AC006059, AC006552, AL031121, AC002542, AL136295, AC006312, U91321, and AC008372.
HNGKL24	7802	974360	1-526	15-540	A1344276, and AF015416.
HNGKI02	7803	918622	1-717	15-731	A1580150, A1803419, A1379547, AA128109, and A1382855.
HNGKH07	7804	952210	1-234	15-248	A1468993.
HNGKG03	7805	922036	1-420	15-434	AA229992.
HNGKD49	7806	974364	1-536	15-550	AW403476, and W25389.
HNGKC69	7807	834922	1-759	15-773	
HNGKC21	7808	974581	1-345	15-359	A112523, AW172301, AL043093, A1141715, A1634437, A1867768, AA927584, AA724084, AW016180, and AD239329.
HNGKC06	7809	934309	1-696	15-710	A1125416.
HNGKA11	7810	966117	1-462	15-476	AW014267, and AA085402.
HNGIV82	7811	778921	1-426	15-440	AW188181, AA224032, AA249197, and AC005940.
HNGIR05	7812	860357	1-455	15-469	AA458810, and AX781966.

HNGIQ96	7813	796414	1 - 382	15 - 396	Z94056.
HNGIQ36	7814	708121	1 - 299	15 - 313	AL037910, AI053445, AW082117, AA878149, AA603323, AA728978, AI347810, AA484143, AA555229, AL284640, AI673731, AI282661, AW238016, AA714467, AI818770, AI753267, AA524832, AL036283, AW275971, AC004231, AL008582, AF129756, AC004821, AC005375, AL096791, AL021391, AL049872, Z85987, AL022316, AC005519, AC005632, AL096701, AC005899, AB023049, AC006211, AC005081, AC000134, AC005668, AC005768, AC006449, Z82180, AC004859, AC004814, AC005591, AC004000, AC004448, Z97054, AL034421, AL049569, AL031281, AC006285, AC005971, AC009516, AC003029, AC004257, AL031257, AL020993, AL022316, AL009179, AC006312, AC002544, AC005225, AC005730, AC004799, AC005726, L78810, AL078581, AL121652, Z83844, AC005041, AC004765, AC005212, AC004812, AL031666, AC020663, AC002350, U91326, Z94802, AC006011, AC000025, AC005154, AC004890, AL031680, AC004491, AD000092, AC009247, Z83840, AF196779, AL035659, Z99716, AC005678, AC004887, AC006071, AP000111, AP000043, AL121655, AC005164, AC002126, AF190465, AL049576, AL117330, AF045533, AC003007, AC005781, AL031311, AC000026, AC005660, AC006120, L78833, AC002418, AF051934, AC005874, AF134471, AC005702, L44140, AC008012, AF111169, AC006468, AL049869, AL109865, AC005291, AC006130, AC003101, AC004000, AL023882, AC005529, AP000512, D87675, AC012384, AC006480, D83989, AC004638, AL021154, AL121603, AL078639, AC004386, AL133448, AP000558, AC002300, AC004098, AC005255, AC007384, AC002059, AC005695, Z95114, AC005288, AC002365, AC004263, AC007066, AL035072, AL117354, AC007731, AI229042, AC005261, AC006239, AF196969, AC006263, Z84572, AC005500, AL008715, AL133163, AC002347, AL049976, AC004472, AF126531, AC005914, AL049780, AC004526, Z98742, Z84480, AL008721, AL133245, AC005004, AC005484, AC008372, AC002091, AC002115, AC007216, AC007510, AF196970, AF053356, AC002316, AC002565, AC004477, AC006006, AC004955, AL133399, AP000065, U91321, AC003042, AL135744, AC008079, AC006241, AC007207, AC002563, AC007773, U95740, AL117344, AL109653, AC004972, AC005531, AC004687, AB023051, AC002395, AC007193, U91323, A39972, AC012627, AC009248, AP000557, Z68162, Z85986, AL035409, AL023553, AC005829, AL008730, AC004895, AC003688, AC003043, AC004685, Z84476, U62317, AC005527, AC004774, AL008710, AC007919, AP000356, AC005772, AL033525, AC005799, AC007298, AC002310, AP000504, AL021395, AP00090, and AC007546.
HNGIL47	7815	959511	1 - 110	15 - 124	R83852, AC005526, and AC004924.
HNGIL47	7816	720363	1 - 641	15 - 655	AI346735, AI304808, AI916741, AI273323, AI367917, AI419879, AA488481, AI273765, AA190847, AA488351, AI268909, AI263971, AW016733, and R45594.
HNGIK64	7817	746615	1 - 271	15 - 285	AC009247.
HNGIK63	7818	839947	1 - 373	15 - 387	AA861844, H68343, AI207424, AC002300, Z47066, AC005755, AC004913, AC004081, Z98051, AC002470, AC004953, AL133246, AC005332, Z82196, AC005730, AC005244, AL078639,

HNGJK40	7819	711219	1 - 368	15 - 382	AC006213, AJ239325, AL031846, AC005015, AC004646, AL035423, Y17457, AL133500, AC002044, AC005666, AL132857, AF121781, AC002390, AC007075, AC005214, AC007676, AL031657, AC005191, AL049843, AP000948, AL049829, Z98946, L48038, AC000026, AC002059, AL023803, AC004783, AP001052, AC005067, AL049757, AC004263, AC005538, AC006126, Z97253, AC004099, U91323, AC007384, AC003684, and AL031289.
HNGIJ40	7820	711211	1 - 371	15 - 385	
HNGJI04	7821	615285	1 - 325	15 - 339	AA758934, AI334443, AI053672, AI754955, F36273, AI284640, AW238278, AI281881, H40410, AI801591, AI672135, AI133164, AI587583, AI587565, AI499503, AI355206, AL048142, AW021583, AA502155, AL041706, AI192631, AW270270, AA873573, AI919029, AA872067, Z78385, W79504, AW008317, AW073470, AI148277, AI144330, AI860020, AA573131, AI343411, AF029308, AL035494, AL031311, Z83844, AC002429, AL031427, Z86061, AC002430, AC005529, AC007384, Z69917, Z84480, AP000500, AC003109, AC005046, U91326, AC003007, AC005412, AL049872, AC004491, AC002470, AC005632, AL109623, AC005244, AC009069, AC005324, AC004895, AC003664, AL020993, AF124532, AC002301, AC005037, AL023553, AC005519, AC007488, AP000962, AC005015, AF991512, AJ003147, AC006211, AL022163, AC004257, AC006539, AL031728, AC005921, AC005699, AC005387, AC005019, AJ246003, AC006511, AC002045, AL022322, AL031770, AC005250, AL121658, AC009516, AL133448, AC006312, AL031650, AC004765, AC007878, AC006017, AC001231, AF134726, AL122020, AC006050, AC004638, AC007564, AC006017, AF020465, AC002312, AC003085, AC008372, AC020663, AC006480, AC004381, AC004825, AC007363, AC005527, AC004531, Z83840, AC005231, AP000553, AC002544, AC008064, AP000090, AC000025, Z54246, Z85987, AC002549, AC008101, AC004949, Z84484, AC004453, AL121748, AC004990, AJ011930, AC007731, AL034418, AC005500, AL121603, AP000114, AL049780, AB001523, AL033392, AC002425, AL139054, AC007510, AC004901, U95742, AC04019, AD000092, AL109967, AC009399, AL034343, AF023268, AC005988, D87675, AC005696, AC007130, AC002094, AC000134, AC005913, AC003982, AF129756, AL024507, AC002126, AC006079, AC006006, AC002395, AC005839, AC008079, AC005409, AL034402, AC003009, AC005406, AL031673, AC005619, AC010205, Z98200, AC006057, AL021808, AP000692, AL022313, AC004152, AC007216, AC005211, AF124562, U47924, AC007298, AC003003, AF067844, AL132994, AF146367, AF196971, AC004534, AL035458, AP000402, AL078477, AC005829, AL021546, U91321, AP000557, AC005358, AL031281, AC006479, AC004751, AC007225, AL020995, AC006241, AC006128, AC009288, AL049636, AC004963, Z93930, AL022312, AF165926, AL022476, AL021937, AC002394, AL049776, U63721, AL022328, AC004890, AL035684, AC005799, Z95889, AC007151, AL024498, AC000353, AL133485, AC007193, AC005768, AC004997, AL031319, AL035659, AF049895, AL023575, AC005065, AC010072, AC005520.

HNGIG75	7822	942946	1 - 1020	15 - 1034	AC005585, AC008115, AC008055, AC005360, AC007537, and AC006013.
HNGIG35	7823	422897	1 - 379	15 - 393	A1580652, AA701121, AA488395, F34795, AF157623, AC005305, AC006479, AC000003, AC004905, ALO22323, AC006011, AC004817, U85195, AC004878, AE000658, AL096701, AC005697, AC004935, AL049832, AL031984, AL031276, AF192789, AC006312, AC005940, AC004675, ALO31277, D88270, L78833, AF109907, AC005379, AL139054, AC005138, Z97198, Z98200, AL109758, AL009183, AC005244, AL121603, AL049776, AD000090, AC003963, AC006130, AC004499, AC002115, U34879, L24094, AL022145, AF20046S, AC006111, AC004098, AC004819, AC007073, AP001172, AL049757, AP000211, AC005722, AC005288, AP000348, AC007666, AL03420, AC001228, AL023879, AC002564, AC005567, AC004858, AC005911, AL031651, AC005071, L14752, AC005703, AL023553, AF088219, AC005667, AC002472, AL049867, AC007630, AF126403, AL031447, and AC000052.
HNGIE38	7824	495689	1 - 616	15 - 630	AA789303, AI810153, and AI914400.
HNGIE23	7825	600366	1 - 1058	15 - 1072	AW303196, AI281881, AW301350, AI284640, AI567076, AW167372, AL042853, AI434695, AL043719, AW274349, AW407578, AA576336, AL119691, AA812139, AW193265, AI350211, AA584201, AA515829, AA127353, AA483771, AI431303, AA502103, AI345654, AI312309, AA716348, AA074130, AI929531, AA577906, AI937850, AA469451, AA405453, AW238278, F36273, AW028392, F18320, AW029038, AI754955, AW167799, AA947547, N75391, AL046409, AI151261, AI688846, AW276701, AW079135, AI254779, AW088846, AI919029, AA639250, AI061143, AI144101, AW021583, AW193432, AA806796, AI783494, AA584752, AI446464, AA640772, R98967, H90844, AW072923, AA649642, AL121235, AW276435, AI339850, AI962050, AA525824, AI696962, AA599920, AI564185, AI568678, AW261871, AI798489, AA490183, AW247819, AI245679, AI281697, AW302013, AI358571, AA502866, AA826303, AI061334, AA621936, AA631507, AA219115, F17891, AI262909, F36306, AL044940, AL085719, AW020992, AI754658, AA713891, AW302450, AW276817, AA578861, AA552856, AA664015, AI559705, AW408047, AA639248, AA552843, AI341548, F17555, H94870, AW089322, AA828042, M86143, AI918421, N64279, AA213741, AA548511, AA594145, AA347368, AI372478, AA502720, AA584176, AA661921, AI334435, AA569471, AI903462, AW327868, AW405021, AI471609, AA728990, AA908357, AI345418, AC008040, X54181, D83989, X54178, X55926, U57009, AP00493, X55923, U18394, X55927, U18391, U18398, AL121603, U18395, X54176, U18393, U18387, I51997, M87919, X54180, Z22650, AC005839, U18392, U18383, U57005, X55925, U57006, U67825, AL078604, X55931, AB001523, AF015160, X55922, AL031587, U57008, X54179, X55924, U67832, AC002527, U18390, AL049776, AF015148, AF090940, U67229, X55930, AL035448, AC005251, AL034451, AL021977, AL031662, X55932, AC006432, AC003950, AC004019, AL031311, U67211, U67211, AC008372, AF006501, AL050306, M37547, AF015156, AL023494, AC007114, AC007193, AL031295, AF117829, U67826, U91326, AC004592, AC007216, AC004522, AI003147, Z79422, AC004972, AC004884.

HNGIE08	7826	973790	1 - 534	15 - 548	Z85987, AC009516, U18400, AP000948, AC004690, AC005703, AC000025, AL033523, AC004895, AL033405, AC000039, AC006137, AF088219, AL031577, AC000052, AL031681, AC005048, U57007, AF015149, AI246003, Z82198, AC005548, AL050341, U95742, AF053356, AC005527, AC007225, Z99716, AC005971, AC004750, AL023284, S75201, AL050097, AC004854, AF077058, AL096701, AC004675, S43650, AC000350, AC006449, AL022163, AC007684, Z83345, U67831, AL031848, S70707, AC000090, AF202321, AL008582, AP000553, AF091512, U67227, AC005086, AC005288, AC006312, AP00204, AC006195, Z97205, AC009533, AC016026, Z94801, AL034429, AC005944, AF165926, AC007666, U63630, AC005562, AL080242, U67233, AL121757, AC009044, AC013248, AL035423, AC005484, AL008716, AC005911, AC005191, AL049869, D42087, AF038458, AL035079, AP000359, AL133245, AF141976, U67827, AC002430, AC007421, AL109758, AF015151, AC004030, AC002431, AP000514, AL049795, AC004858, AL133371, AC005920, Z86090, AC005332, AL035249, Z81308, AC007227, AL020997, AP000348, AF001548, AF109907, AC006344, AC004890, AF227510, AL021937, AL021453, AL049830, AC006004, AC007384, U14694, Z69719, AL121934, AL132777, AC005081, U67231, AC005412, AL022320, Z83844, S77605, AC002377, AC012627, AC004502, AC005231, D84394, L49046, Z86061, AL035587, AL035494, AL035361, AE000658, AC005852, AL132712, AC005512, AL022320, Z83844, AC004813, AP000495, AC007546, AC002564, AC006241, AC003101, AC004547, AC004033, AC006120, AC004985, AC006368, AC005235, X53550, AC004821, AC002070, AC005069, AC005696, AC006965, AL121658, U14695, AF111168, AL008726, AC005618, AC005089, and AF015158.
HNGIE01	7827	973797	1 - 517	15 - 531	AL135677, AL109984, AC004063, AL022328, and AC006155.
HNGIC68	7828	888447	1 - 334	15 - 348	
HNGIC29	7829	695660	1 - 473	15 - 487	W57586, AW194627, W93807, AI079554, AW243050, AA279011, AI281191, AI143216, AA983569, AW294001, AI392855, AA557282, N49211, AI765833, AI335326, AA292772, AA705078, AI338729, AI241107, AA476900, AA251779, AI963754, AI087153, AI636442, AI857402, AI949689, AI763030, AI884606, AA704804, AA731007, AI376580, AA921827, AI032953, AI823966, AI915274, AA767672, AA522479, AI968828, AI797706, Z74023, AF131220, and AFI72244.
HNGIB49	7830	723004	1 - 699	15 - 713	N63664, N59771, N91071, AI084981, N78232, R00854, and R01507.
HNGIA75	7831	888461	1 - 407	15 - 421	AC004908, AL031259, and AC004842.
HNGIX71	7832	760398	1 - 455	15 - 469	R94022, and T95558.
HNGIW45	7833	717698	1 - 360	15 - 374	AI133083, AW081303, AI798493, AA128511, AW410154, AL047349, AA630245, AA486568, AA552202, AW020088, AA604831, AW191886, AI915293, AW022934, AW021161, AI049872, Z82178, AC003098, AC006538, AC004881, AC004491, AF207550, AL022302, AC005756, AC002470, AC007193, AC006160, AC005368, AC004757, AC005619, AL021707, Z84480, AC002544, U62293, AL031728, AL049569, AC007686, AC002398, AF053356, AC005821,

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HNGIS92	7834	792748	1 - 528	15 - 542	R19806, and AC004169.
HNGIS70	7835	757216	1 - 682	15 - 696	H96207, and AI572367.
HNGIS02	7836	920221	1 - 529	15 - 543	AI565849, and AI575659.
HNGIR10	7837	964715	1 - 487	15 - 501	AW005230, AI598235, AI918190, AW004702, AW264973, AA640272, AW088202, N34704, N71724, AA340960, AA133986, AF177861, AA344959, AL138421, AJ003147, AC020663, AC007228, AC004890, AF091512, AC005261, AC004821, AF134726, AL050097, AC006478, AP001068, AP001067, AJ011930, AL035658, AB011129, AC007488, AL096867, AD000092, AC006059, AC003006, AC006548, AC006213, AC007204, AC007182, AC005387, AC004382, AF001549, AC007011, AF106656, U67213, AL022328, AF030453, AC005519, AL031662, AC006285, AC005088, AC007845, AC002404, AC006277, AC016025, AC005839, AC005666, AP000474, AC005694, L44140, Z99758, AF053356, AC005772, AC006543, AL021918, AL012197, AC005829, AL109621, Z86090, AC007387, AC006552, AL031685, AC005412, Z54334, AL132992, AC006544, AC006480, AC004783, AL133328, AP000115, AC002306, AC006323, AC006222, AC007666, AC005913, AC000052, AF207550, AL021707, AC006539, AC004019, AC002991, AC004816, AC006116, AL109798, AP000355, AC006538, AC002492
HNGIQ78	7838	772866	1 - 405	15 - 419	AC008372, Z85997, AC005215, AP000503, AC005694, AL031286, and AC003003.

HNGIQ71	7839	495771	1 - 494	15 - 508	AA458777, AC007387, and AC006544.
HNGIP47	7840	720374	1 - 437	15 - 451	AC007011.
HNGIP27	7841	860515	1 - 590	15 - 604	N40971, and AA644354.
HNGIO64	7842	487439	1 - 511	15 - 525	
HNGIO52	7843	727196	1 - 621	15 - 635	
HNGIL94	7844	793171	1 - 383	15 - 397	AB26442, R43468, AI912265, AA760879, H48670, AL078474, AL023876, AC006211, AC005215, AC002418, AC004386, U47924, AL050307, AU022326, Z69709, AB023048, AC004650, AC007537, AL031255, AC005940, AP000150, AL034379, AC006273, AC004526, Z95115, AC005280, AP000009, AC004765, L05367, AC005480, AL031589, AC007546, AL133245, AL121655, U91323, AL049843, AC006064, AC007540, Z84469, AC002351, AC005694, AC007030, Z82178, Z93023, AL009179, AL035072, AL008582, AC007225, AC005399, AL021155, AL031680, AC004673, AC004812, AL109623, AL031587, AC007066, AL022318, AL109865, AC004019, AC005914, AL035398, AC004897, AC005529, AL034420, AC007421, AC002126, AC006312, AC006365, AL049869, AC004859, U62317, AL122020, AL049759, and AL096703.
HNGIL84	7845	781970	1 - 959	15 - 973	W81663, AI375213, W81222, and AF086461.
HNGIL82	7846	812699	1 - 355	15 - 369	AI755214, AI754567, AI754170, AI348597, AI754105, AW069412, AW069227, AA503298, AI634187, AA833875, AA833896, AI701950, AI701942, AI613389, AI133083, AA768340, AW075132, AA192293, AI249688, AL037927, AI362552, AA600202, AI469599, AA146474, AI583142, AI590458, AI457313, AW419389, T47138, AA714011, AA706495, AI004591, AW304580, AW190484, AI267356, AI251429, AA644090, AI569982, AL079734, AW161016, AL036070, AI038304, AI254779, AW089016, AI663636, AI536834, AA654781, AA568314, AW192599, AI569100, AI053786, AI570943, AI590499, AA297776, AI921744, AW105463, AW257432, AW032672, AW021154, AA559241, AI267450, AA779783, AA524616, AA507282, AI635609, AI566408, AI371208, AA299589, AI565126, AI610737, AA405726, AA262752, AA809546, AI732720, AA492105, AA832145, AI791659, AI078409, AW105729, AI570805, AA218720, AA864426, AA526625, AA526326, AI912401, AW151247, AA456924, AA176605, AA579152, AA657374, AA487226, AI431513, AI040054, AI745335, AC004655, AC005535, AP000048, Z98036, AC007292, AC004216, AC005839, AF111168, AC007792, AC004517, AC004472, AC005907, AI031447, AB015355, AI122020, AC004983, AC004034, AI031433, AP000952, AC006111, AC002350, AC007066, AC004865, AC005067, AC005529, AC003963, AL033527, AC005736, AC005218, AC004884, AI031311, AC000353, U85195, AI133448, AP000212, AP000134, AL031685, L44140, AC002480, AL022238, AP000030, AC004009, AC006130, Z93096, AC016025, AC004838, AI031432, AE000658, AC005548, AL035072, AC004686, AC004228, AI031284, AC004650, Z92542, AL022323, AL109628, AL034420, AC005378, U07563, Z97183, AC005696, Z93023, AL133245, AL049776, AC005220, AC005081, Z98950, AC006285, AC005632, AF196969, AC005971, AF207550, AC005600, AC002347.

HNGIL51	7847	725003	1-434	15-448	AC003025, AC004079, AC007676, L78810, AC004859, AP000555, AL022320, AL022721, AJ011930, U80017, AC005730, Z85986, AF19813, Z98941, AC005914, Z30979, AC005682, AP000512, S42653, AC003982, AC065716, AC007731, AL133163, Z99127, AC006441, AC005363, AL023353, AC005500, AC002070, AC008928, M87839, AL008722, AC004973, AL022396, AC005332, AC006459, AC004999, AL079295, U95740, I34294, AC002119, U95090, AP001052, AL035447, AC004664, AC006026, AL034379, AC005288, AC005820, AP000089, AC005094, AC004477, AC005331, AC004821, AC002045, AL079304, Z94056, U50871, AC006511, AC005330, AC009041, AL133312, AC005625, Z83844, AC003007, AL031777, AC007225, U91321, AC005193, AL031589, AC004922, AL031228, AC002073, Z94801, U73169, AC007993, AL022326, Z54246, AL049766, AC005399, AC004491, AC005261, AC000159, AL080243, AC004531, AC005889, AC004876, AC005523, AL035458, AL022322, AD000092, AB026898, AC004805, AL035562, AP000697, AC004953, AC004253, AC002483, AC007011, 297181, AL020997, AF053356, AC004408, AP000502, AC009509, AC004778, AC002565, AL022316, AC005520, U08988, AC005568, AC005781, AC005412, AC007546, AC008134, X74558, AC005620, AC000046, AL031584, AC004019, AF001548, AL022165, AC004223, AC000025, AC006312, AC007057, AC005844, AL096701, AL122023, AC002301, AC004534, AP000116, AL121653, AL020996, AL109994, AL109578, AC008044, AB025285, AB016897, AC005180, AL033547, AC002563, AC007358, AC006312, AC006155, AF134726, AC002303, AC004813, AC005754, Y14768, AC005722, AC006046, AC005215, AC006077, AC005829, and AC005318.
HNGIL22	7848	860525	1-383	15-397	AA883992.
HNGIL51	7849	868068	1-611	15-625	AA856923, N68820, AA077081, U68061, AL022241, and AC004830.
HNGHY44	7850	973977	1-437	15-451	AA845599, and AI079672. AI708005, AW078495, AA375579, AA441788, AI886085, T58469, AA528195, AA502103, AA176970, AI460390, AL040115, AA515938, AA604607, R79654, AA519660, AI358513, AA494075, AA578711, AI648440, AA179165, AI663936, AI675590, AA341941, AI373405, AA722049, I96823, AH24064, AW028950, AA583579, AW151762, AI439450, AI061054, AI270656, AI453458, AA197089, AI365618, AA581342, AW080963, AI889539, AI044213, AA583568, AA780528, AA402709, N86047, AA653291, AA297496, AA346861, AI310343, W01078, AI800345, AA161181, AA663327, AI735200, AA838162, AA706845, AA226346, N73203, AA196390, AA487872, H90403, AW022292, AA191389, W95985, N40689, AA382102, AA663086, AA663115, F23263, AA357240, AA652057, AA649642, AA016286, AA491889, L8I415, AC005755, AP000345, AC008929, AF157623, AC006084, AC004820, AL031650, AC005863, AF053356, AL035587, AF045555, AL035695, Z83840, AC002064, AC005081, AF039396, AC004549, AF067574, AC005562, Z99496, AC008072, L48038, AC005175.

					Accessions
HNGHGH94	7851	793271	1 - 205	15 - 219	AI022237, Z93016, AC004484, U18671, AC006127, AC004525, AC002303, AC004686, 297181, AC005602, AC005067, Z85996, AC007899, AC002984, AD001527, M63543, X55448, M63544, AC005049, AD000092, AC003086, Z84476, AC002279, AL096691, AL049594, AC005381, AC007738, AL049781, Z88246, Z69920, AC004944, AL034429, AL049765, AL049869, U62317, AL031116, AC004622, Z95115, AC011604, AC006960, AF012562, AI229043, AI229043, AC004465, AF015165, AC004933, U75285, Z48051, AC007059, AC004462, AC006275, AC005625, AC006162, AL034582, AP000455, AC008103, AP00008, AC005213, L77570, AP000704, AC001231, AC006316, AL132716, AC006948, AL080243, AL121576, L44140, AC000003, AP000555, AI250235, AP000144, AL109967, AC002331, AC002465, AC006946, AC005952, AL080313, AL035530, AL023653, AC007390, AC002316, AP000549, AC007766, AL034377, AC009044, AC009263, AF109907, AC007276, AI000501, AL118516, AL034161, AC007096, AC005018, AF124523, AC002551, AL049795, AC018633, AL135746, AL117693, AL050308, AF001550, AC004491, AC000026, AL022325, Z81314, AF035397, AF003627, and AC004456.
HNGHM61	7852	576221	1 - 483	15 - 497	AC004967.
HNGHL46	7853	860541	1 - 517	15 - 531	AA078128, AL049576, AF053356, AC004895, AC005520, AC005071, AC004686, AC004595, AC004813, AC007688, AC002312, AP000555, AL133245, AC005015, AL109963, AL035587, AL031846, AF047825, AC004883, AL022316, AC007055, AC005484, AC005225, AC005081, AL031589, AC004854, AF205588, AL035422, AL049780, AC010205, AL121603, AC007938, and 293023.
HNGHJ01	7854	916757	1 - 517	15 - 531	AA629328.
HNGHG39	7855	860554	1 - 388	15 - 402	AI003408.
HNGHD68	7856	576315	1 - 493	15 - 507	AC002554.
HNGGV02	7857	920377	1 - 439	15 - 453	T91220, AA258779, AC009731, and AC004530.
HNGGT08	7858	959649	1 - 374	15 - 388	R73389, R73388, and AC005015.
HNGGP91	7859	576251	1 - 457	15 - 471	AP000523.
HNGGP55	7860	578450	1 - 251	15 - 265	
HNGGL74	7861	765644	1 - 815	15 - 829	AW406755, AI305746, AI358229, AL037683, AI284640, AW085794, AW023672, AI350211, AA719805, AW193265, AL042856, AA810318, AW419262, AW088846, AI963720, AI334443, AL079645, AA573020, AA649642, AI270117, AI569086, AA482711, AA657835, AW088202, AI954260, AL044940, AA551503, T29180, AL138455, AI368745, AW249224, AI865364, AW020141, AI431303, AA259245, AI079910, AA244357, AI688846, AI110770, AI003611, AW080134, AL133723, E29989, AL046409, AI365988, AW327868, T40617, AW339687, AI821918, F18974, AA34959, AI655272, AW019964, AI358501, AI223616, AA843450, AW264973, AA669251, AA834792, AA559290, F36273, AI434706, AA652057, AA482806, H02631, AW069481, AF177861, AA774184, AA665330, AW088616, AI821881, T91187, AA631507, F28576, AI613280, AW276435, AA449088, AA350859, AA347927, AA148489.

HNGGF86	7862	860568	1 - 414	15 - 428	AA604897, AA359958, AI345675, AW406447, AC002316, AC005699, AC018767, AC005690, AC005194, AC003084, AC007402, AC005520, AL031311, AC009300, AF064864, AF165176, AL031774, AC002384, I51997, AC008134, AC006013, AC008067, AL078603, AC004523, AO002368, AC008055, AC006143, 295114, AF053066, AC005066, AC002523, AC004948, AP000477, AC007050, AC002723, AC002492, AC018769, AC005157, AL022726, AA229041, AC005701, X54175, AP000095, AF165175, AL117338, AP000039, AC005177, U57009, X54181, AL022396, AC008072, AL121718, X55926, U18394, AL117693, U18391, AP000521, AC003109, AC005288, AL049562, AI133269, AL049063, AC005592, AC007240, Z83341, Z82194, AR036572, U91328, AF10343, AC004866, U67221, 298950, AC000119, AC004966, AC003088, AF178030, AC006019, U18399, AL032821, AL132985, U18387, D83989, X54178, X54190, AL049781, U18395, AL031230, AL008629, AC006037, AC007110, AB020876, AC002066, AC004448, AC007687, AL121652, AL110505, AP000159, AL021917, AC00403, U57007, AC007189, AI239322, U18393, AL031073, AC006573, X55925, AL135746, AC005968, U18398, AL035671, X03272, AC005069, U18392, AC008119, AC005661, AF043945, X54176, AC006961, AC006322, U57006, AL022574, AC004944, X55924, U57005, AL022162, AL078624, AC005704, AC004783, AF015720, AC007652, X55931, AC006959, AL031054, X55927, AC007380, AC004020, U67832, AL078613, AC005939, AC004785, AL096791, AL096867, AL121577, AL031686, Z93928, A39972, AL031656, AC001164, AF003626, AP000245, AP000035, AC006512, AF019114, AC04883, AL035697, AC016831, U57008, AC006525, M96868, U91326, Z22650, U18390, AL049691, AL133241, 297054, AL035552, AL050308, AC004964, AC002984, AC005548, AL035604, AC002422, X55932, AC005279, AL033525, AC09223, AF179633, AL136018, AP027390, AC005772, AL035667, AL117356, AC010072, AL049576, AF126403, AC007666, AP006997, AP000563, AL133245, AC005448, AL035448, AP227510, AL096703, AF038458, AL109067, AC006032, AP001051, AP000065, X54179, AL079340, AL078477, AC005994, Z94044, AC004383, AL008634, AC004019, U18396, AP000402, AC004170, AP000133, AP000211, U03115, X55928, Z84489, AL133382, AF205588, AC006530, and AL109837.
HNGGB58	7863	738213	1 - 359	15 - 373	R62392.
HNGGB28	7864	703315	1 - 295	15 - 309	AA679811, AI767394, and AP000523.
HNGFX89	7865	506492	1 - 641	15 - 655	C15076, D59467, D59787, D80164, C14389, D59619, D80210, D80240, D80195, D58283, D80091, D51423, D80196, D80219, D51799, D80253, D80227, D80188, D81030, D80022, T03269, D59927, D80166, D81026, D80193, D80212, D59859, D80038, A4305409, D80043, C14331, D59610, D59502, D59275, D57483, D80366, D59889, D80024, D80269, D80064, C14298, D50979, D80241, D50995, D51060, D59695, D80522, AW378832, C75259, D80378, F13647, D51022, C14429, D80134, D80045, C14014, AW178893, AW179328, D80251, AW177440, AA30578, AW178775, AW369651, D80248, AA514186, AW352158, T11417,

| | HNGFX75 | 7866 | 608695 | 1 - 1016 | 15 - 1030 | D58253, AW178762, D51250, AA514188, D80133, Z21582, AI557751, C05695, AW177501, AI910186, AW177511, AW360811, D80268, AW352117, AI905856, CI4407, AW176467, AW375405, D80258, D80132, AW377671, AW378540, CI4077, AA285331, AW366296, D80247, AW360844, AW360817, AW375406, D80439, AW378534, AW179332, AW377672, AW179023, AW178905, D59371, D80302, AW352171, AW360834, AW377676, AW178906, AW352170, AW177731, AW178907, AW179019, D58246, AW179024, D51213, AW177505, AW360841, AW179020, AW178909, AW177456, C06015, AW179329, AI557774, AW178980, AW177733, AW378528, AW178908, D51097, AW178754, AW179018, AW352174, D80157, D59627, D80014, AW179004, AW179012, AW178914, AW378525, D51103, AW367967, D51759, C14227, AW177722, AW177728, D81111, AW179220, AW179009, AW178574, AW178911, AW378543, AW352163, CI4975, AW178983, AW352120, T03116, D58101, D59653, AW178781, D59503, T48593, T02974, H67866, D45260, AW177723, AA809122, AW177508, AI535850, H67854, AW378533, AW367950, D80168, C03092, AW378539, D51221, AW177497, AI525923, AW178986, D45273, D80228, AI525917, CI4973, D80949, AW177734, D59317, D59081, D59474, AI535686, AI525920, CI4344, AI525215, AA514184, AI525235, CI4957, D60010, D59551, D60214, AI525227, CI4046, H67858, AI525912, AI553961, T03048, AI525242, AW378842, AI525925, AI525222, Z23452, C16955, C05763, D51079, D51053, Z30160, AW360855, AR018138, A62298, A62300, A84916, AJ132110, A25909, X67155, A67220, Y17188, D26022, D89785, A78862, D34614, AR00827B, AF058696, D88547, AB028859, X82626, AR025207, Y12724, A82595, AR06085, A94995, AB012117, AB002449, X68127, AR008443, AB5396, AR066482, A44171, I50126, I50132, I50128, I50133, A54477, I19525, A86792, U87250, X93549, AR066488, AR016514, AR060138, A45456, A26615, AR052274, Y09669, AR038669, A43192, AR066490, A43190, AR066487, A30438, I18367, I14842, D88507, AR054175, D50010, Y17187, AR008277, AR008281, A62261, AR008408, AR062872, A70867, AF135125, AR016691, AR016690, U46128, D13509, A64136, A68321, AR060133, I79511, AB023656, U87247, AB033111, AR064240, U79457, AF122263, X93555, AR032065, and AR008382. |
| | | | | | | AI061313, AW167154, AI246996, AA135761, AI119838, AI281818, I163092, AA484892, F24745, AA578690, AI270476, AI598003, AA634837, AA728911, AW23812I, T05118, AA809546, AA441810, AF139813, AI049776, AC004228, AI121658, Z96074, AC006205, AI031311, AC003025, AC006480, AC004014, D91318, AC002464, AC007537, AC005949, AC005372, AC006430, AI049780, AI049843, AC008101, AF000557, AC006230, U82668, AI122020, AC008115, AP000044, AP000112, AC002132, Y18000, AC006064, AC006449, M87889, AC005387, AC004408, AF129756, AC006511, AI031670, AC029096, AI008726, AC004584, AC005529, AI021391, AF196779, AC007421, AC004686, AI008627, AI021155, AC006538, D87675, Z82203, M59199, AC005829, AI135744, AF050154, AC006597, AC002072, AC002314, AC005682, AC008055, AC005005, AI035697, AC005363, AC008079, AP000134, AP000212, AC000003, AC005620, AC004743, AI049795, AI122023, D84394, AC006013, |

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HNGFU33	7867	702584	1 - 675	15 - 689	AC006547, AC005747, AC005874, AF134471, AL049832, AL078581, AL139054, AC004491, AC009501, AL031589, AC004144, AC005726, AL133448, U95090, AC005536, AL008718, AC004858, AC005225, AC003101, AC004386, AC005399, AC004551, AP000152, AJ246003, AP070718, Z95331, AC004534, AC007324, AL050318, AC003955, Z83826, AC004967, AC005480, AC005799, AL031281, AC005688, AC005955, AC007263, AC004812, AL080243, AC005920, AP000553, AL022163, AC007919, AC005081, AC007227, AP000556, AL096701, AC005722, AL049569, AP000509, AL035086, AL035659, AC005899, AC000134, AL021397, AL022334, AC004849, AC007226, M29929, AB025285, AC000070, AC007774, AC005696, AF111168, AC007160, AC005378, AL031587, AC004975, AC006137, AC004685, AC002287, AC004552, AL049636, Z83822, AL049653, AC004913, AC004655, AC005527, AC006241, AC008122, AL022318, AC007216, AC004472, AC003943, AC003091, AC004125, AC000063, AL050307, AB001523, U89335, AL117694, AF109907, AL109627, AL022166, AL022313, U95739, AL049643, AC004854, and AC005608.
HNGFT02	7868	920480	1 - 307	15 - 321	N45312, AI761447, AI636286, N71104, AI636173, AI143859, W68421, W68519, AI561031, AW381539, AI589337, AA778620, AA771992, AA744429, AA921991, AW196737, AW381478, AW381460, AA889180, W05847, AI370531, and AI932774.
HNGFR06	7869	935821	1 - 510	15 - 524	AA716766.
HNGFP92	7870	842276	1 - 609	15 - 623	R61534, AI681105, AW082635, H00958, AI871530, AI986039, and AI378964.
HNGFP70	7871	872950	1 - 331	15 - 345	AC005316, and AC005317.
HNGFM17	7872	664280	1 - 623	15 - 637	H66970.
HNGFK34	7873	703419	1 - 296	15 - 310	
HNGFI11	7874	967304	1 - 406	15 - 420	AA226156.
HNGFH90	7875	789066	1 - 493	15 - 507	AA081717.
HNGFH58	7876	738240	1 - 515	15 - 529	H63640, T79700, AI657076, AB011135, AC005829, AC005670, AC005332, AC004675, AF088219, and AC007993.
HNGFH30	7877	823363	1 - 2788	15 - 2802	AI889426, AI433104, AI921744, AA130647, AI732911, W96277, AW408643, AA634991, AI679002, AW089625, AA534064, AA658844, AA650623, AA626632, AA595370, AL134940, AI583532, AA486896, AL040921, AW167330, N70044, AW406447, AI631913, AA457389, AI820992, T57096, AI709211, F32373, AI192631, AI110760, AA582954, AA832865, AA128899, AA584482, AW272294, AA225406, AI890324, AA503298, AI916430, AI560241, AW069227, AI687343, AI635028, AI609826, AA078849, AW190484, AA456924, AA707758, AA608588, AI984168, AA424078, AA665449, AA020873, AI037927, AI371208, AA299589, AI565126, AI610737, AA405726, AI888468, AA773098, AI282253, AW410195, AI370170, AW084445, AW268329, AW023111, AA720582, AI870453, N72678, I53546, AI608612, AA630854, AI634187, AA809546, AA584489, AW083934, AW090377, AI889579, AA021561, AI199816, AW068596, AI572680, AA805869, AA297776, AC004883, AF111169, AL021707, AC006057,

					Accession Numbers
HNGFG10	7878	968059	1 - 1028	15 - 1042	AC005829, AC006450, AL049569, AL049569, AC005031, AC012627, AL022163, AL022320, AP000692, AL109984, AC005755, AC006511, AC005837, AC005565, U80017, AL034429, AL035423, AC006539, AC007686, U85195, AC005859, AC006449, AC005011, AC005531, AC005914, U89337, AC005200, AC004797, AC005736, AC006211, AB000658, 295742, AL022336, AL020097, AC003010, 293017, AC006965, AL031311, AC004821, Y14768, U80459, AC006285, AL049795, AC004686, AC005730, AC005971, AF109907, AC005933, 299716, AF001548, AL10628, AC002543, AL109758, AC005379, AC005057, U95739, AC004448, AC006121, AL021391, AL031120, AC003104, 297054, AP000505, 283487, AL133245, AC006480, AL031255, AL031602, AC004834, AP000513, AC005519, AL031846, D88268, AC007151, AL024498, AC003030, AC005484, AC009247, AC007687, AC007216, AB023049, AL022316, AL022329, AC009248, AB001523, AC006064, AL133448, AC006277, AJ003147, 286090, AL139054, AC005004, AC006011, AC005003, 295152, AL050341, AC002565, AC007685, 298200, AC005179, AL049712, AC003982, AC005516, AL023575, L78810, 295115, AL031848, AC004638, AP000098, AP000010, AP000151, AC005670, AC005839, AC005746, D84394, AC005527, AC004030, AC005102, AL022476, AC005412, AL131163, AL133371, AL035071, AL031281, AL021808, AL031673, AL034420, AC004953, AP000212, AP000134, AC000026, AF107885, AC007226, AC006077, AC007314, AC005261, AC006966, AL021546, AC000353, AC006581, AL049839, AC005874, AF134471, U91326, AC007011, AC005790, AC007546, AL096701, AL049977, AC008372, AC008072, AL024507, AC007298, AL049872, AC005530, AL049776, AL050318, AF053356, 283844, AC008055, AP000155, AC007934, AC004149, AL109952, AC005209, AC002059, AL024474, AC005409, AC002476, AL031055, AL132712, AC006455, AC005089, AL031283, AP000694, AC004526, 284480, U95742, AC003682, AF196779, AC005529, AC007308, 298884, 295331, AD000671, AC004918, AC002115, AC004491, AL035455, AP000031, AP000030, AC006312, AL031295, AC004531, AC005740, 298946, AL022323, AL096791, AL035086, 298051, AC005399, AL034417, L48038, AF030876, U78027, AF111168, AC002310, AC005251, AC007387, AC007114, AC006538, AL031276, AC004752, AF207550, AL020995, AF134726, AL031229, AC016025, AC004167, AC007684, AC004913, AC007065, AC007421, AL031230, AL022311, AC006251, AP001053, AC005041, AC004895, AJ246003, AC006059, AC005668, AP000354, AC005594, AL031577, AC003950, AC005696, AC005944, AC005231, 283840, AL109627, AC004383, AL117354, AP000557, AC005244, AL121655, and AC000085.
HNGFP50	7879	941480	1 - 2217	15 - 2231	AA225836, AA025837, AA723506, AA457243, and AA457244.
HNGF75	7880	486855	1 - 549	15 - 563	AC005342.
HNGFE58	7881	871493	1 - 620	15 - 634	AL049594.
HNGFA19	7882	927579	1 - 236	15 - 250	AA148705, AA953959.
HNGFA18	7883	666626	1 - 383	15 - 397	AA029918, AA770385, and AA629144.

HNGEY55	7884	888324	1 - 363	15 - 377	T25322.
HNGEY38	7885	868073	1 - 538	15 - 552	AA593968, and AW1138070.
HNGEX10	7886	860615	1 - 639	15 - 653	H22044, AA354647, AL034044, AL008724, AL033538, AB028966, and AL080174.
HNGEW38	7887	573234	1 - 799	15 - 813	R76032, and R30916.
HNGEU20	7888	669811	1 - 522	15 - 536	R66338, and R31248.
HNGET91	7889	789373	1 - 403	15 - 417	
HNGER86	7890	578910	1 - 250	15 - 264	AA721530, AA376872, AA493731, AA620373, T97368, AA728925, AA719292, AW028089, AA167335, AA086435, AA173071, AL040154, N23840, F00979, AA004654, AA776194, AA330897, W86573, AA554257, AA728963, W81359, T89855, AA206062, AA070740, N23062, AA425744, AA167159, N40815, T72218, AA98422, H86041, AA640252, T5253, T61555, AA526099, AA608570, T47889, R92217, R89784, AL033429, AC005519, AF064865, AL049757, AL034369, 295152, AA004475, AL135959, AC004031, AC005905, AC005089, AC006333, AL022241, AL132826, AL034376, L77036, AC000352, Y11107, AC004753, Z82176, AC005502, AC005685, AC003963, AC005074, Z82243, M89651, AL031602, AC004775, AC005599, AP000223, AL008637, AP000008, AP000086, AC006959, AC004910, AL034553, AC004917, AC005924, 298052, AL031276, AL049643, AC006148, AP000704, AP000547, AC004638, AF030453, Z84466, AC004525, AC006001, AC004590, AC003029, AC004820, AC004671, AC004701, AC004768, AL024509, AL035685, U91323, AC005082, AL080243, AC010582, AC005736, and AL049635.
HNGER73	7891	578909	1 - 312	15 - 307	AL117546.
HNGER62	7892	578922	1 - 293	15 - 307	
HNGER61	7893	578907	1 - 312	15 - 326	
HNGER50	7894	576479	1 - 304	15 - 318	AA657451, AA744068, AA745459, AI783581, AA872180, AA745393, AA745533, AA024691, AA547979, AA744084, AA603881, AA650175, AW076090, AA083028, AA610432, AA083372, AA429197, AA429020, AI826253, AA631359, AA873176, AA461617, AI580250, AA601218, AA594220, AA502991, AA290878, H60533, AI251591, AI679782, AA486559, AA811208, AA668387, AA601327, AL035659, U08988, AR036572, AC004890, AP000088, AL139054, AL096701, U91328, AL035249, AC002988, AC002072, 293241, AL023803, AC005971, AC008040, AP001053, AC006276, AC005102, AC004216, 286090, AL049766, AL022238, AC002073, AC005291, AL034423, AC005280, AC004796, AC002352, AP000140, AC005255, AP000553, AP000557, AC099516, AL121655, AC002477, AL049776, AC004656, AC004312, AC003038, AP000045, AC005763, AC007308, AL121658, AL132985, U80459, D83253, AC009247, AI246003, AL133382, AL031390, AL031685, AC005519, AL022476, AP000694, AL023553, U80017, AL080243, AC004019, AC006441, M89651, AL022326, AC002430, AC005531, AP000228, AL133448, AC003070, AC004905, AC004095, AC006001, AC004095, AL033524, AC010382, AC007384, AL024498, D84394, AL035587, AC005514, AP000501, AC005391, AC006449, AF207550, AC005666, AC005736, AC007542, 295116, AC006960, L34079.

HNGER38	7895	578908	1 - 286	15 - 300
HNGER26	7896	860623	1 - 394	15 - 408
HNGEO79	7897	951489	1 - 782	15 - 796

AL049759, AC004583, AC006480, AC005480, AC005778, AL034553, AC004585, AC004634, AL100963, AL132774, AC007395, AC005920, AC000491, AL021977, AL035079, AC002326, AL034548, AC005940, AC004922, AC005071, Z83844, Z93021, AL022336, AL109627, AC007387, AC005006, AP000512, AL008635, AC009721, AC009248, AC012384, AL109801, AF001550, Z83822, Y14768, AC005057, AL035400, AC002350, AL001427, AC007565, Z98200, AC003950, Z97989, AL078639, AC007899, AC007637, AP000036, AC006538, Z73495, AC010077, AC005529, AC005670, AP000696, AC016831, AL022320, AC004834, AC004097, AL049697, AL117258, U85195, AP000505, AC007671, AF001549, AP000279, AP000355, AC007981, AP000509, AP000113, AC008498, AP000555, AC004765, AC005015, AC004185, AC006047, Z84487, AC007386, AC002369, AC005004, AC004686, AP000307, AP000240, Z85987, AP000096, AC000085, Z94056, AC006571, AL035455, AL022312, AC005747, AC006597, AE000658, AC006536, AL049745, AL049692, AC005786, AF001552, AL008726, AL009031, AC004975, AC005033, AL049829, AC005632, AC005899, Z84466, AC002470, AC008372, AC005821, AL121578, AC016027, Z85986, AC005484, AC004859, AP000106, AP000038, AC004522, AC005682, AL109984, AL049539, AP000359, AP000556, AC002563, AF135025, AL031058, AP017104, AL049709, AF019369, AL033543, AL008710, AC010168, U78027, AC016830, AL133353, AF001548, AP000408, AP000967, AL033397, AC005527, AC005914, AC007151, AC006222, AL022302, AC004882, AP000251, AL049757, AL121603, AC007276, AP000690, AC006544, AC005535, AC004813, AL049540, AC005800, AC005031, AC006211, AL022327, AC007225, AC007327, AC003007, Z99716, U91323, AC007731, AC003029, and AL109853.

AW403530, C14389, C15076, D59467, D80164, D81026, D59787, D80195, D59502, D81030, D80166, D80022, D59275, D80227, D58283, D80391, D59859, D80193, D59619, D80210, D80240, D59610, D51423, D51799, D80253, D80043, D80038, D80269, D80196, D80212, D50979, D80219, D80188, D59927, C14331, D57483, D80366, D59889, D80241, D50995, D80045, D80251, D51022, D80378, AW177440, AA305409, D80024, C14429, D52291, AW378532, AA305578, D51060, C75259, T03269, D80522, AW178893, C14014, AW179328, T11417, AA514188, D80248, D51250, AW369651, AW352158, D80134, AA514186, D58253, AW178762, C14077, AW178775, D80133, AW177501, AW177511, D80132, AW176467, AW360811, D80268, F13647, C05695, AW352117, C06015, AW377671, AW375405, D80302, AW378540, C14407, AH910186, AW366296, AW360844, AW360817, AW378406, AW378534, AW179332, AW377672, AW179023, AW178905, AH557751, AH905856, D80439, AW352171, D51213, AW377676, D80247, AW178906, AW352170, AW177731, D59373, AW178907, AW179019, AW179024, Z21582, AW177505, AW179020, AW360841, AW178909, AW177456, AW179329, AW178980, AW177733, AW378528, AW178528, AW178754, AW179018,

2380

HNGNE04	7898	586457	1-331	15-345	AW352174, AW360834, D80258, D80014, D51103, AW179004, AW179012, AW178914, AW378525, D81111, C14227, AA28331, D59627, D51097, D80157, D58246, AW367967, AW177722, AW177728, TO2974, AW179009, D51759, AW178774, AW178911, AW378543, AW352163, D59503, AW178983, AI55774, AW352120, AW178781, T48593, D80168, D58101, D59653, AW177723, AI525923, AI535850, AW177508, H67866, D45260, T03116, D51221, C14975, AW378533, C03092, AW367950, AA809122, H67854, AW177497, D80064, AW178986, D59317, AI535686, AW177734, D45273, C14973, AI525917, D60214, D80949, D59551, D51079, AI525227, C14344, D59474, AI525920, D60010, AA514184, C14957, AI525925, C14046, T03048, AI525235, AI525242, AI535961, AW378539, AI525215, AI525912, AW378542, H67858, C16955, C05763, Z33452, AI525237, AI525222, C14298, D59695, C13958, AW360855, AR018138, A84916, A62300, AJ13210, A62298, AF058696, A25909, X67155, Y17188, D26022, AR008278, A67220, D89785, AB028859, A78862, D34614, D88547, B2448, X82626, Y12724, AR025207, A82595, AR060385, AB002449, A94995, AR016808, AR008443, AB012117, I50126, I50132, I50128, I50133, X68127, A85396, AR066482, A44171, AR066488, AR016514, A85477, AR060138, A45456, I19525, A26615, AR052274, A86792, U87250, X93549, Y09669, A43192, A43190, AR038669, I14842, AR066490, AR066487, A30438, I18367, D88507, AR054175, D50010, Y17187, A63261, AR008277, AR008281, AR008408, AR062872, A70867, AR016691, AR016690, U46128, D13509, AF13125, I79511, A64136, A66321, AR060133, AB023656, U79457, AF12263, AB03111, AR032065, X93535, and AR008382.
HNGEK57	7899	734923	1-293	15-307	AA080935.
HNGEK16	7900	578914	1-441	15-455	AC004674.
HNGEI44	7901	800199	1-389	15-403	AL008628.
HNGEI11	7902	967314	1-439	15-453	AA176651, AC006011, AC005204, AC011604, AC004610, AC003077, and AC005337.
HNGEG07	7903	953658	1-609	15-623	AA457286, and AC005920.
HNGEB81	7904	570236	1-274	15-288	AP000344, AC007663, AC006549, AC000097, and AC006547.
HNGEB10	7905	968043	1-602	15-616	AA176861.
HNGED92	7906	654085	1-686	15-700	AC005823.
HNGED46	7907	833885	1-429	15-443	AI242667, AW271430, AC007313, AC002369, and AC005034.
HNGEB84	7908	783132	1-336	15-350	AL046060, T69835, N69499, and AL008718.
HNGEA17	7909	561293	1-249	15-263	
HNGD293	7910	883677	1-214	15-228	
HNGDW53	7911	973311	1-502	15-516	
HNGDW19	7912	502499	1-434	15-448	
HNGDV38	7913	572912	1-215	15-229	AA707705, AA707782, AC004788, AC005208, AC006213, AC002426, AL021939, AC010206,
HNGDV26	7914	572906	1-287	15-301	AA707705,

HNGDV15	7915	572902	1 - 283	15 - 297	AC002040, and AC004822.
HNGDV02	7916	920504	1 - 258	15 - 272	AC005799.
HNGDV01	7917	916989	1 - 297	15 - 311	AC005669.
HNGDS21	7918	396889	1 - 700	15 - 714	AP000547, and AL121825.
HNGDR65	7919	572896	1 - 239	15 - 253	
HNGDQ68	7920	753164	1 - 553	15 - 567	AA085245, AA355671, AL137191, and U15177.
HNGDQ56	7921	733550	1 - 435	15 - 449	T52788.
HNGDO68	7922	753580	1 - 257	15 - 271	R00963, M62017, and AC005753.
HNGDO54	7923	521883	1 - 356	15 - 370	AW151187, N34413, R52428, AA548692, AA372303, AA442528, AI821985, AA947534, AI732860, AA524832, AI446259, AW245354, AI049709, AA828641, AI744949, AL135744, AC006948, AL021578, Z93023, AL021368, U95626, AL031120, AC007537, AC007919, Z84477, AC006127, AL050348, AI246003, AA005839, AC007283, AL022098, AL079304, AL034371, AL109798, AC003963, AC006511, AC006996, AC005178, Z93783, AL096791, AL021938, AC004526, AL121754, AC005971, AC005722, AC005756, AC004150, AL049539, AP000023, AL035071, U91321, AC004821, 269917, AL022719, AL031985, AC003663, AL035088, AC004975, AL079342, AC005354, AC006317, AL133163, U07562, AC008009, AL049829, Z83844, AC004106, X71342, AC005274, AC005841, AL109627, AL031311, 293241, AC003099, AC005293, AL034555, AL121658, AC004477, AC005598, AL117352, AL035423, AC016025, AC009247, AC003104, Z94721, Z98886, AC005179, Z85987, Z98949, AL031602, AC005037, AC004967, Z97054, AC005288, AC005695, AB001523, AC006241, AC007395, AC002316, AC006120, AL049780, AL031775, AF196779, AC004167, AL035422, AC004584, AC004675, AC007421, L78833, AC007731, AC012627, AC007917, AL121663, AL078644, AC005620, AC005738, AC005548, U95742, Z85986, AC004887, AC004033, Z84484, AF088219, Z97205, AB023049, AF069291, AP000132, AP000210, AL035400, AC005940, AC005531, AC005678, AP000356, AL022324, AC007216, AP000088, AC004491, AL022336, AC005874, AF134471, AC005815, AC005899, AC020663, AC007358, AC000052, AC005041, and AL078477.
HNGDO53	7924	574450	1 - 204	15 - 218	
HNGDO52	7925	868772	1 - 300	15 - 314	AI093647, AA716146, AA749073, R49009, AA506527, AI073736, AI191643, R45527, AI394236, AI278266, AA988102, AI123578, AI201722, AA010543, AA729674, AI953613, AA977224, AW084266, AI471058, AI127344, AI079366, AI355607, AI890557, AI081829, W87769, AA236772, AW407241, AA358614, AA402984, H69243, AI701110, W9570, R45526, AA679112, R37845, AA424401, AI910981, AI347131, and AA402135.
HNGDO40	7926	574449	1 - 152	15 - 166	AC005950, and AC001228.
HNGDO30	7927	574446	1 - 119	15 - 133	AC007785.

HNGDO29	7928	526804	1-333	15-247	AC006376, L38797, AL121934, AC004236, and AL117327.
HNGDO18	7929	526514	1-403	15-417	AC006367.
HNGDO06	7930	936059	1-335	15-349	
HNGDO05	7931	932400	1-129	15-143	Z78304, AP000113, AP000045, and AC006071.
HNGDO04	7932	523469	1-325	15-339	R78482, AA649326, and AW303334.
HNGDM11	7933	967512	1-522	15-536	
HNGDL51	7934	860671	1-1029	15-1043	AW378532, C14014, H73550, D80164, AA547979, W61253, C15076, D80045, AI791227, AC003684, AC002519, AC002073, AL022165, AC000403, AC002559, AC004983, AL109755, AC007285, AL031293, AC007225, Z95116, AC006312, AC004707, AL020995, AL050307, AL022316, AL033429, AC007151, AL121595, AL022238, AC005971, AC002326, AL049765, AL031320, AC004876, AC008101, Z98200, L44140, AC002425, AC005071, AC006014, AF001550, AC003962, AL022329, AC005005, AC004966, AC005620, AC006012, AC007227, Z46936, AF111167, AC002350, AC005488, AC016027, AC005412, AC016830, AC004216, AC008079, AC005519, AC006965, AC002563, U07563, AC004517, AL034423, AF001552, AC004671, AL031591, AL035587, AP000356, AC000353, AL031670, AL031427, AC007011, 297054, AC003012, AC002072, AC004967, AC002312, AC006388, AC004616, AC005736, AL096791, U47924, AL078584, AL031121, AC006023, AC005527, AC005667, AC008040, AC004882, AP000045, AC005086, AC004522, AC006011, AP000055, AP000170, AP000123, AC003026, AC005808, AC005821, AC005332, AL035086, AL133445, AL049776, AC002543, AL033521, AC002381, AC004531, AL031291, AC007637, AC004921, AC004662, AC005015, 295115, AC002306, AC005839, AL133396, AC004832, AC002302, AL049776, AC002543, AL053400, AC018663, AL030996, AC005197, AP000313, AC004914, 297053, AC005881, AL049631, AC004848, AL022336, AC005678, AL022476, AC005529, AC004067, AC008116, AC005328, AC004551, AC002300, U52112, 294056, AC007664, AC004401, AC007376, AP000050, AC005874, AF134471, AC005089, AC005585, U91325, AC005632, AL049758, AC008018, AC004997, AL031431, Z68164, 298304, AC003667, AP000193, AC004996, AC005778, AC007919, AC005856, AC004922, AC004804, AC006430, AC016025, AF129756, AC002132, AC004020, AC002551, AC009516, AC004491, AC005484, AL031848, AL049869, AC008072, AL023879, AL049781, AC003950, AF196969, AC007057, AC006512, AC008009, AC003663, 298036, AC007021, AL034548, AC004678, AP000117, AC004084, AC006146, AC006960, AC005274, AC007684, AC005725, AC003108, AL133216, AC004560, AC000272, U91318, AC006449, AC004134, AC003690, AF024534, AL121757, AC007050, 297939, AL021154, AF069291, U95740, AC008372, AC002369, AL050318, AC004151, AL031673, 297630, AC004811, AL121748, U82828, AP000557, AL031295, AC004638, AL049795, AC007073, AC004019, AC004433, AL035659, AL050312, AL050311, AL096773, and AP000248, U91133, AC007546, AC004923, AD001527, AC004150, Z84484, AP000695, and AC005048.

HNGDF94	7935	796744	1-114	15-128	
HNGDF70	7936	506694	1-238	15-252	
HNGDF58	7937	506693	1-562	15-576	N79214, N79207, and Z95115.
HNGDF38	7938	574349	1-344	15-358	AI133044, and AC000080.
HNGDF10	7939	968240	1-336	15-350	
HNGDE79	7940	781680	1-430	15-444	R15702.
HNGDE74	7941	765812	1-415	15-429	T81056, H72210, and AC003079.
HNGDD27	7942	860680	1-397	15-411	AA319803, AI340151, AA368329, C14121, AI889426, AA745356, AI281622, AA604149, AF169671, AC006071, AC005785, AC007382, AL078581, AC002310, AC005914, AC008078, AC007731, AC005500, AC004821, AC004815, AP000356, U85195, AC005031, AC002470, AC003664, AC004448, AE000658, AC005409, AC007707, U80017, U29953, AL031683, AC004097, AC004797, Z84480, AC004890, AC004477, AL031681, AC004770, AP000563, U91319, AC005015, AC005944, AC004638, Z83826, AL049843, AC004653, Z82188, AC006285, AC005399, AC005037, AC005696, AC005899, AC002550, AC004236, AL031584, AL133332, AL121652, U95739, AP000133, AP000211, AP000501, Z82214, Z86090, AL049712, AF129077, AC006088, AC007666, AC005480, AL050318, AC005776, AL049776, AL109628, AL049872, AC005736, AP001549, AF165926, AC004999, AL049759, L78833, AC004125, AC006241, AC004883, AC005057, AB023049, AL034420, Y10196, Z83840, AL031228, AC004491, AC005620, Z84487, AD000092, AL034419, AF207550, AF196779, AP000031, AP000210, AP000132, AC005746, AL050341, AL117258, AC006130, AC005578, and AC004991.
HNGDD03	7943	924933	1-188	15-202	AI523540, AI358513, AW404543, AL048969, AP000347, AP000346, AJ22462, AC004842, Z95114, AC003665, AC002322, AP000555, AP000354, AJ229041, AL022311, U67093, AR028159, AC007242, AL035249, AC005338, AF047825, AC005358, AL109963, AC008545, Z94056, AL031681, AC004921, AP000512, AF111169, U82828, AC006328, AD000833, AL033504, AC004124, AL008635, AL022721, AC018633, AB023051, AC002546, AB016897, AC007052, AC007785, and Z74021.
HNGDD02	7944	920675	1-172	15-186	
HNGDB78	7945	772804	1-300	15-314	AP000555.
HNGDB61	7946	742043	1-460	15-474	AA137010.
HNGDB59	7947	688019	1-149	15-163	AL021398.
HNGDB54	7948	574359	1-178	15-192	
HNGDB40	7949	574346	1-96	15-110	
HNGDB16	7950	574352	1-121	15-135	
HNGDB04	7951	576460	1-149	15-163	AA326984, and T82481.
HNGDA08	7952	959064	1-441	15-455	A088884.
HNGGC254	7953	730895	1-437	15-451	H30669.

HNGCY60	7954	827144	1-559	15-573	W79559, AI916779, and AW304481.
HNGCY10	7955	968247	1-320	15-334	AA259067.
HNGCQ38	7956	544484	1-1014	15-1028	T99876, AA146850, and AI122007.
HNGCP14	7957	417271	1-587	15-601	AW273218, AA378690, AI281818, AI791913, AI917132, AA494275, AI252506, AA601294, N54152, AI493583, F35689, AA045734, AI301700, AA934680, AA070614, AI654525, AI754653, AW304536, AI792133, AA516226, AI933714, AA494097, AI821714, W45205, F30586, AF207550, AP000501, AL022238, AL080243, AC004973, AC004983, AC006077, AL022721, 297054, AF111168, AC006511, AI011930, AL008726, AC002126, AC000159, AC009516, AF002223, AP000704, AL034548, AC004491, AP000113, AP000045, AC016025, AL031311, AC005899, AL050318, AC004671, AC005037, AC008115, U91323, AC007676, AP000251, AC005088, AC004821, AC006023, AC005808, AP000159, AP000017, Z98200, AC004999, AC005632, AC006441, L44140, AP000030, U95742, AF196779, AC006430, AL122020, AC006512, AC007216, AP000553, AF196972, AL031666, AC005823, AC007685, AF053356, AL139054, AC005971, AL031680, AC007066, AC004890, AC006680, AP000502, AC004913, AL049761, AC004685, AL121653, AC007390, AC006285, D87675, AC007226, AC006449, AL022318, AC007899, AL133312, AF111169, AL049869, AC019014, AC006088, AC005409, AC004686, AC009247, L78810, AL133448, AC005736, AC004019, AC004673, AC005837, AC005755, AC002395, AP000252, AC002470, U29953, AI003147, AL133163, U47924, AL033553, AC004526, AC005081, AC002369, AL049759, AC005624, AC004033, AL034429, AL008582, AC002301, AF117829, AP000557, AP000555, AC005280, AC008033, U47924, AL031736, AF165926, AC004996, AC009044, AP000692, AC020663, AC016026, AL035587, AL022323, AC007308, AC004478, Z83840, AC006965, AC005089, AC002115, AF196969, AC006254, Z83844, AC005488, AC005682, AC004884, AF003626, AL034555, AL035422, AC004893, AC003046, M89651, Z97056, AC002565, AC006165, AC006101, AC005057, AP000008, Z98884, AC002425, AP000031, AC004895, AF030453, AL133246, AL031447, AP000359, AL035458, AC007731, AC012384, AC002544, AL117258, AC006126, AC005500, Z85986, AC006241, U80017, AC005841, AL121655, AB023051, Z84469, AC005696, AC006480, Z83826, AC005231, AC005291, and AL096701.
HNGCO71	7958	663340	1-639	15-653	
HNGCO15	7959	494338	1-375	15-389	AC004706.
HNGCC39	7960	704547	1-532	15-546	H26664, and H26870.
HNGCE81	7961	961700	1-1702	15-1716	A284640, AL046409, AI963720, AI431303, AI341350, AL046205, AI801482, AL138265, AL041690, AW274349, AI334443, AL042853, AW301350, AL044026, AI801482, AL138265, AL041690, AL042420, AI270117, AL119691, AW193265, AA720702, AI890348, AI754336, AL037683, AA46945, AI708009, AL134455, AW327868, AA521399, AI345654, AA521323, AW021583, AA491814, AI110770, AA680243, AI457397, AI613280, AW265385, AA490183, AA126450, AW069227, AI149478, AA468131, AA487817, AW439558, AW268300, AI732120, AA394271,

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HNGCC02	7963	638114	1 - 554	15 - 568	AW028400, AI963720, F36273, AL138265, AI368745, AI284640, AI679782, AL041690, AL046409, AA581903, AI708009, AA610491, AL042753, AL085719, AW162049, A1929531, AL138455, AI951889, AI956131, AI42184I, AA469451, A141303, AI963095, AI860020, AI357551, AI281881, AI962050, AW193265, AI110770, AI143242, AI340453, AI951928, AI718446, AL119691, AW303196, AI061334, AA507547, AA713815, AI814735, AA594215, AW302013, AL048925, AW103758, AI345654, AI754658, AA513141, AW301350, AW438643, AI305766, AW040659, AI358343, AL120269, AI350211, AI889781, AW088202, AW029038, AI053672, AA491814, AW247819, AI801600, AI613280, AA515224, AW407578, AI688846, AI590958, AI270117, AW274349, AI669453, AW406755, AW193432, AI344844, AI610159, AI287485, AI471481, AI590689, AW276827, AI912232, AI341664, AI375710, AI567076, AI358229, AI570261, AI289067, AA491284, AW261871, AW169537, AI696962, AA482711, AA652764, AI801591, AW089927, AW102955, AI801482, AI754336, AI291124, AI339850, AA127353, AI281903, AI679132, AI732186, AI040130, AI821271, AL038785, AA584082, AI192631, AI928790, AI049722, AI358501, AL037683, AW419262, AI345681, AI908687, AI345675, AW238278, AI291268, AL042853, AI628288, AW327868, AI567674, AI635274, AA598586, AI619997, AI865905, AA917683, AI859742, AA164251, AI709965, AI567975, AW338086, AI473943, AA521323, AA601270, AI537955, AW265393, AI339440, AI287528, AI890348, AA711453, F29989, AI475569, AT99642, AA977743, AW104748, AA579063, W95841, AI610607, AW162288, AW276932, AI358571, AI469172, AI376100, AI921649, AA490183, AW166815, AW088740, AA521399, AI564496, AW148792, AI697208, AW193609, AW304584, AI871225, AI696793, AW088616, AA133986, AI564185, AI079645, AI356729, AI676218, AW265009, A1824562, AI623720, AI499181, AW080134, AA846935, AI937850, AI674873, AA074130, AI365988, AA649642, AA178953, AA665330, AI192740, AW088058, AI917271, AA502155, AW272758, AW057877, ALO42420, AW062724, AA530859, AA179944, AW340844, AI307201, AI282832, AA439210, AI053606, AI515261, AI921188, AA847499, N53150, AI521679, AI445582, AI633025, AI744995, AI017024, AA594145, AL119984, AA747276, AI036572, U91328, AC004859, AI049569, AC006004, AI021546, AI200966, U91323, AC006125, AC000052, AC008124, AC005071, AC004019, Z98941, AF129756, AC005291, AF001549, AC004884, AC004020, AC003101, AC005846, AC005768, AL031848.

HNGBW07	7964	953894	1 - 425	15 - 439	AL043375, AC007298, AC005859, AF029308, AC004879, AI003147, AL035681, Z83840, AC003977, AL024498, AC005015, AC007314, AC004966, AF091512, AC007243, AC002310, AC007055, AP000556, AP000500, AC002470, AC007227, AC006057, AL022400, AC000047, AC005480, AF190465, AC005740, AC007051, AC005019, AC002128, AC004987, AL031311, AL139054, AC004263, AC005566, Z99129, AC004099, AC004091, AC007685, AC005308, AC005696, AC006101, AC005393, AL022316, AC002091, AP000501, AC002094, AC004815, Z83821, AC008372, AL020991, AB026899, Z86090, AC005378, AC007283, AL009172, AL023575, AC007226, AC004167, AC006960, AL121748, AL034371, AC006013, AL096712, AC007193, AC007226, AC005154, AF039907, AF12453, AC07182, AC006312, AC002116, Z84490, AP00029B, AC005699, AC006480, AC006155, AC008044, AC000353, AL135783, AC005399, AP000365, AC012085, AC03957, AL049576, AL021937, AL049776, AC004858, AC005527, AL109758, AC005104, AC005909, AF060568, AC008044, AC006241, AC004534, AL022163, AF109907, AP000354, U85195, AC004765, AF196969, AC006241, AC004534, AL022163, AC005412, U66059, AC006126, AL022476, AC006538, AC005409, AC004673, Z94277, AE000658, AL078463, AF134726, AC007091, AL022313, AP000472, D84394, AL117693, AF088219, AL031053, AC007221, AL080274, Z99716, AC005409, AC005529, Z84469, AC005245, AC002996, AP000962, AC005722, AC006251, AF053356, AL035411, Z85987, AL031446, AL022322, AL031584, AL096707, AL117258, AC005189, Z98744, U82696, AC004491, AL133245, AC004913, AL008716, AL035071, AL031728, AL049712, AL135744, AL132987, AC004814, AC006999, AC004053, AL031650, AL021406, AF196971, AL022726, AL031722, AC002429, AC006450, AL034417, AC004769, AC005041, AC003109, AC006275, AC004929, AC003111, AC006153, AC005531, AC002994, AL020993, AC006285, AC005387, AC005509, AL117330, AC005822, AL022315, AC005041, AC007842, AC005261, AC005209, AP000557, AC004033, AP000301, AP000044, AL031668, AC007216, AF165175, AC006130, Y10196, AC005157, AC000076, D00591, AC004671, Z69666, AL035045, Z82180, AC005774, AL117355, U91326, AC006274, AC005039, M63344, AL024474, AF165147, AC006128, AC004799, AC007919, AP000355, AL022721, AC005081, AC003003, AC005821, U78027, AC004961, AL031054, Z82976, AP000701, AC006032, AC000041, AC005971, AL049636, AC005102, AC006638.
HNGBS77	7965	494334	1 - 524	15 - 538	AA779260, and AC004895.
HNGBP42	7966	574401	1 - 401	15 - 415	AI039463, and 299716.
HNGBO01	7967	921413	1 - 132	15 - 146	AI147419, AI343975, AH00827, AW379863, AA310626, AW379864, AA325281, AI792990, R83498, AA349776, R87384, R84539, AA053628, AL045700, AL078621, AL137714, and 296199.
HNGBN12	7968	920949	1 - 386	15 - 400	
HNGBL40	7969	880778	1 - 343	15 - 357	AA782358.

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HNGBP25	7970	678767	15 - 598	1 - 584	AA054162, and AF130342.
HNGAZ70	7971	757413	15 - 359	1 - 345	R34132, and AI048966.
HNGAZ56	7972	733631	15 - 481	1 - 467	AI885390, N64652, AI694923, AA447143, W56786, W56564, AP001053, and AP001052.
HNGAZ08	7973	959977	15 - 436	1 - 422	AJ221476, and AA825395.
HNGAX93	7974	792525	15 - 417	1 - 403	W87440, and AC006511.
HNGAW50	7975	723632	15 - 544	1 - 530	R97185, H47494, AI80697?8, AI052640, AI218923, and 29472I.
HNGAV20	7976	669901	15 - 434	1 - 420	H94026, H63237, H94115, H63315, and AI524673.
HNGAR02	7977	920736	15 - 566	1 - 552	AA954152, AA584702, AA585098, T18597, AA585325, Z32822, R45895, R29657, D53161, D61185, AA585101, Z32887, D57491, D59751, C15406, R28735, R29445, AI557740, C15069, AI541365, AI525316, AI557262, R28892, AI557864, AI541356, R28965, 228355, AA585155, Z33559, AI526078, AI526140, AI525500, AA170832, AA585378, D54897, AA585439, D60765, D60844, D59436, R29218, AI557718, AI557727, AI541517, AI546999, AI557731, AI535639, AA585329, D51433, R28967, R28895, D54850, AI541205, AI541535, AI546971, AI526184, AI525556, C16294, C16315, AA283326, AI541383, D55233, AI546875, AI547250, AI526016, AI540903, AI557763, AI547039, D61254, D59458, D53447, AI557734, AI541523, AI557084, AA585476, C16292, C15120, C15762, D52835, AI557809, D53472, AI557807, AI557787, AI541346, C16300, AI541013, C16293, Z36724, AI525306, AA585356, C16305, C15737, AI541374, AI541034, AI525339, AI546831, AI547202, AI557533, AI557408, D60730, AI557758, AI546945, AI525431, C16296, AI525117, AI526191, AI557155, AI547196, AI526194, AI535660, AI557602, AA585430, AI526112, R29179, AI526024, 230131, AI525320, D57186, AI546921, AI540974, AI541307, AI526109, AI546996, AI541321, AI557852, AI540967, AI546891, AI547006, AI525856, AI557279, AI526158, AI557808, AI546829, AI546901, AI557317, AI536138, C14208, AI525168, AI526146, AI541422, R29262, AA585453, AI526195, AI541402, R29172, AI541492, AI526113, AI541515, C16290, AI557264, R29177, AI557799, AI541527, AI557039, AI525114, AI557810, AA585389, AI556967, AI541516, AI526176, T19407, AI547189, AI525656, AI557041, AI526073, AI524904, AI541027, AI547137, C14210, AI525076, AI557786, T41289, AI541191, AI541510, AI526205, AI546954, AI526180, D61060, AA585434, AI540944, AI525332, AI525286, AI526169, AI526187, AI541506, AI541415, AI557238, T41329, AA585420, AI524891, AA585117, AA585440, C14322, AI29433, AI540920, AI546328, AI557796, AI524890, AI557785, AI541345, C14391, AI557285, AI546855, AA174170, AA147158, C14723, AI557082, AI547026, AI540882, AI541075, AI526026, AI540928, AI046024, AI541514, D51413, AI547122, AI546841, AI557802, AI541017, AI547138, AI541390, AI526125, AR062871, A25909, AR038855, X82786, Y09813, X75012, AR031358, AR031365, AI244005, Y16359, AF082186, AR038762, Z33836, AR054723, X81969, D50010, X55486, D13509, AI244004, A20702, AR062872, AR062873, A20700, A43189, A43188, AI244006, AI243486, AR017826, D78345, AR017907, AC005913, AI244003, AR003381, Z30183, AF213384, A62298, AR050070, A82595, A82593, AF006072, A98420, A98423, A98432, A98436, A98417, A98427, X82834, and

HNGAQ75	7978	766512	1 - 167	15 - 181	L36913, N83307, AA584125, AA339692, AA377189, AA829114, AA828739, AI590593, AC005484, AC004106, AL031281, AL033392, AL094554, AD000813, Z95114, I95739, AC007050, AF200588, AC003103, AC007786, AC005375, AP000556, AC009405, AC006236, AL021707, AL049636, AC005529, AF019413, AP000502, AC000120, AB026898, AC004152, Z98946, AC004966, AF001548, AP000092, U91321, AC003664, AC005353, AC002365, AC007371, AP000237, and AF107258.
HNGAQ73	7979	574649	1 - 277	15 - 291	295126.
HNGAQ49	7980	574652	1 - 159	15 - 173	
HNGAQ38	7981	574658	1 - 113	15 - 127	
HNGAQ37	7982	575492	1 - 136	15 - 150	AH418661, AA452325, T07327, F31867, AA632556, AA748826, AA626595, AA904211, AA298362, W63553, AA211734, AA581247, AW021311, AI370170, AA069255, AA489327, AI758424, AA496724, AA084609, H73550, W96277, AI973173, H90878, AA489330, AW110350, AA719847, AI567391, AA020873, R05830, A984857, H90114, T62543, AA837771, AA481887, AW419389, AA668587, R99144, F23294, AA683069, AA443587, AI742168, AA568314, AA46478, T83057, AA579188, R93858, AA021429, AI431513, AA018588, AA021428, AA736488, AI300818, AI310992, N73021, AL037533, H84975, AA441810, AI889579, AA018777, AA019939, AA479877, AA019872, AA610789, F16671, AI821273, AA714073, H07953, AI160786, AA722505, AI583291, AW151953, AA523695, AW408596, AA113273, AA22942, AI198718, AA612578, AA086435, AA936718, AA808036, AA091982, F31811, R67701, AA613399, AI368732, AA452887, AA577783, AA642809, AI733717, AA302661, AA668905, AA076575, AA226357, AA315361, AA111870, AA320105, AA222356, AI271762, AI858889, AI680547, AA243976, AA640310, AA324288, AA157837, AA42924, H58354, R64640, N27615, AA502193, H90845, AA630923, AW162303, AA583386, AW029269, AW162047, T65895, AW161786, AW019964, AA579281, AL135363, AA608570, AA205436, AA847502, Z84469, AI121915, AC002477, AC003010, AC006480, AC005971, AC005947, AC006275, AC004257, AL109952, AC004736, AC005208, AL035078, AP000501, Z85996, AP000692, AC004076, AL035691, AC003109, AC007546, AL050332, AC004890, AC005225, AC005243, AF001552, Y11107, AP000362, AC005366, AC005039, AC004814, AL118516, AL022474, AL035530, AC004408, AF196969, AL030995, AL035071, AL022283, AC005378, AL035687, AC004590, AC004359, AC002432, AC004859, AL009181, AC005039, AP000553, AC005014, AC007057, AL049872, AL022323, AC005899, AC005013, AC007363, AC008009, AC005736, AC006017, AC005828, M13792, AF053356, I34294, AC005837, AC005921, AL035086, AL023878, AB020864, 293241, AC004878, AC007055, AC007099, AC003007, AC007199, AC004796, AC006050, AC006390, AC005031, AL031846, AF001549, AC005527, AC004050, AL121603, AL031283, AC004381, AC005207, AL020995, AC004999, U80017, AB020690, AF073485, AC005190, AF141309, AP000319, U51280, AC004789, AC004780,

HNGAQ14	7983	574660	1 - 130	15 - 144	AC002985, AC000075, AF037338, AC005790, AC000084, AC005222, AL078611, AC002491, AL049576, Z83347, AC005355, AL022333, Z98885, U82668, AL117351, AL109798, AL023096, AL022322, AP000687, AP000167, AP000052, AP000120, AP000142, AC005049, AL021155, AC002119, AC004685, AL049795, AC004823, AL031680, AL031291, AP000090, AC006088, AC004518, AL033521, AC002418, AC004535, AC002303, AC004686, AC004967, AC018913, AP001548, Z83843, AC007388, AL031427, AC007676, U52111, AC005184, AL133553, AC007227, AC007014, AL121769, D91323, AL035405, AC005082, AL022721, AP000688, AC004386, AC006305, AC006582, AC007537, AC005041, AL135744, AL049869, AC004228, AC002365, AC008038, AC007240, AC003101, AL031733, AF111168, AC001228, AB026898, D87675, AL132992, AC005332, AL008725, AL031297, Z92547, AP001053, AC005220, AC002310, AC005529, AC006511, AL133245, AC007446, AC005015, AL133163, AF111169, AC007421, AL121923, AP000689, AB003151, AL080243, AL049631, AL031447, AL031578, AL031176, AC004874, AC004814, AC006196, AC005228, AC003029, AC002301, AL109853, Z95115, AL022396, AL132777, AC004813, AC005914, AC004694, AP000358, AP000359, AC003071, AC006961, AP000121, AP000053, AP000168, U95739, AC004905, AC004526, Z82174, AL133448, AB020866, AC009247, Z93017, AL021939, Z65709, Z83820, AC000052, AL049829, AL049569, AC004019, AC004024, X84464, AL008715, AL035659, AL022314, AF191687, Z82203, D86960, AL109865, U63630, AP000310, AC006154, AL096702, and AP000272.
HNGAQ02	7984	920756	1 - 206	15 - 220	AC005815.
HNGAQ01	7985	921434	1 - 148	15 - 162	N23637, AA630173, AA486330, AA680247, AA161476, AA160658, AA166686, AA668670, T58393, U13369, and X68195.
HNGAP69	7986	513808	1 - 653	15 - 667	AC005562.
HNGAM31	7987	426200	1 - 487	15 - 501	AC661948, AA665330, AI151261, AA501784, AL138265, AW023672, AI287964, AI282832, AW10415, AW271904, AI343137, AI245679, F17518, AI707788, H62778, AA491814, AI049996, AI028540, H88666, AI537955, AI304929, AI061296, AW080134, AA482896, AA603323, AA340747, AA077776, AI358343, AW088202, AI432103, AW276435, AW021583, AI670045, H84359, AW104748, AW079809, AA076408, AA342562, F17700, R92640, AW029038, F29989, T40848, AI446464, R19647, AI318652, AA569190, AI625244, AA747276, AA557686, AA177061, AA708352, AA747480, AA364224, AA878149, AA502050, AI570261, AA569182, AI754661, AI345681, AI345675, AA448231, AA452263, AI962050, AA469451, AA843450, AA747472, AI510838, AI929531, F28765, AI339850, F32893, AI358229, AA229785, AA515051, AA481363, AI049649, AI271762, AA452744, AW301350, AW303196, AW274349, AA482681, F29198, AA228420, AL045077, AA601680, AA679493, AI791390, AI216054, AA730635, AI623720, AW406755, AI251002, AA169194, AA405453, AA482711, AA357307, AW167154, AA449088, AA367986, AA488746, AW151896, AA583244, AI061313,

HNGAJ78	7988	773425	1-900	15-914	AA320852, AA503258, AA362650, AI049722, AI432814, AA635067, AI270476, AW337454, AI754291, AA564925, AI445498, AC005971, AF055066, AC005225, AC004193, AI003147, AL121658, AL096791, AC007055, AC007371, AL121603, AC006001, AF053356, AC005081, AP000112, AL121852, U80017, AC005412, AL109758, AC005324, AC005932, AL049743, AL135744, U92032, AL031286, AC006014, AL022311, AF045555, U91321, AC005399, AP000513, AC005031, AC004099, AL008582, AC009247, AL133777, AC005527, AC002288, AC007899, AC006960, AC006254, AC005516, AL008635, AC005821, AC003102, AP000044, AL139054, AC002400, AC006006, AC004821, AC006023, AL021918, AC005585, AC004955, AL117258, AC005529, AC004134, AC000025, AC005057, AF064866, AC005678, AC002545, AC004150, AC005808, AL049775, AC004841, AC005414, AC006441, AC004033, AC007227, Z98745, AL109627, AC003101, AL136501, AL132992, AC006088, AC011594, U07000, AC005037, AL109628, AC004963, AD000092, AL080317, AL022476, AC008169, AL117354, AP000030, AC007878, AL035494, AP000884, AL132992, AC006088, AC011594, U07000, U95740, D87675, AP000208, AC005736, AJ246003, AC003109, AL049539, AC007011, Z84466, AC005255, AL049776, AC009516, AL109654, AP000247, AL110502, AL009181, AF123462, AC004125, AC005666, AC007226, AC007666, AC005488, AP000212, Z97832, AL049745, AC000052, AC006333, AP000355, AC008044, AF064861, AC005484, AC005694, AC005221, U95742, AC004895, AC004263, AL050318, AC004491, Z81008, AP000688, AL049872, AC005914, AL121655, AC004974, AP000959, Z92542, AL096701, U63721, AP000505, AC006559, AC004687, AL080243, AC005231, AL035699, AC004492, AC004526, AL034420, AC004050, AP000694, AC006344, AC006285, 295114, AL035658, AC007546, AC005753, AC004887, AL031577, AF196779, AL078474, AC003665, AC002544, AC008101, AC002126, AL121595, AC005520, 295126, AP000215, AC005332, Z68870, L78833, 299716, AL021391, AC004447, AC016831, AC004796, AL035405, AC007308, AL049869, AC016830, AL021393, AP000045, AC002301, AC009479, AC004814, AC005897, AL049830, AC002306, AC004832, AF001549, AC002351, AC007216, AL031587, AL080276, AC002067, AL109984, AC005901, AC005237, AC008018, AC009248, AL049795, AC000120, AC005996, AC005291, AC005006, AL023553, AC005500, AP000512, AC016025, AL031591, AL008639, AC007066, AL035587, Z85987, AC005682, AP000552, AF111168, AC006132, AC007298, AC002561, AC003029, AC005409, AP000134, AL078593, AL031848, Z98048, AP000047, AC006141, Z84487, AL034417, AC005104, AP000553, AL049780, AL035249, AC005209, AP000130, 293783, AC012627, AC005837, AL031680, 294721, AC006449, AP000692, AP000477, AC005924, and AR036572.
HNGAD20	7989	890591	1-349	15-363	AC004465.
HNFIJ67	7990	751605	1-486	15-500	T89724.
HNFIB08	7991	959428	1-664	15-678	H78418, AI208943, H68012, T87102, N77399, AA744206, AA713765, H93975, H58595.

HNFHY76	7992	767681	1-341	15-355	AI223968, AA569597, AA601186, AI263494, AC008116, AF190884, AP000564, AF030453, AL031311, AC005088, AF068624, AL035106, AP000151, AC004197, AL023913, AC003007, AB003151, AC011718, AC008132, AC008079, Z93241, AP000010, AC005632, AC002407, AC004491, AP000454, AC007546, AC005003, AC005846, AC005530, AB021048, AC009247, AP000298, AC002115, AC004263, Z95703, Z83821, AL020991, AC006101, AF039907, AC006987, M59199, Z84487, AL135960, AJ131016, AC004985, AL109952, AC004223, Y10196, AC005018, AC002426, U78027, AC000387, AL031577, D84394, AC005366, AC007358, AP000044, AC004929, AC004883, AC007156, AP000472, AC005291, AP000347, AC007748, AC004216, AC007565, AP000511, AC005225, AC003037, AC005913, Z97053, AC007350, AC004602, AC007766, AL035415, AP000350, U91326, AC005562, Z99943, AP000116, AC006285, Z84477, U73643, AL049569, Z99716, AC005399, AL035587, AC006948, AC009516, AC004914, AC009263, AC006572, U47924, AC006509, AC016025, AC007388, AC000003, AF187320, AP000552, AC005568, and AC007057.
HNFHY53	7993	467056	1-436	15-450	W88982, AA741151, AI699945, AB915838, AI806991, AI911962, and AL022328.
HNFHY14	7994	658129	1-253	15-267	AA021619. AW363863, AI741868, AA181596, AW450052, and AF117754.
HNFIT17	7995	429602	1-559	15-573	AC003006.
HNFIN07	7996	953330	1-512	15-526	H67460.
HNFID11	7997	966347	1-421	15-435	AI475658, AW300535, AA769413, AI970294, AI962597, AI262866, AI288806, AI264118, AI056197, AI221947, AI480037, AI818548, AI803669, AI092753, AI379065, AW450384, AI140316, AI242596, AI436296, AI199008, AI784541, AI819414, AA994821, AA242747, AA431259, AI814761, AA577250, AI275187, AA909652, AA417974, AA243870, AA862672, AA746639, AW340129, AA633304, AA878919, H23830, AA004808, AA830716, AI027827, AA947663, AA948421, AW025951, and AF132948.
HNFIA59	7998	739358	1-533	15-547	T89075. W96277, AA846942, AA489978, H01110, AA426451, AL048901, AW15101 8, AA569179,
HNFIW59	7999	951005	1-1111	15-1125	AA579399, AW408767, AA020873, AL022323, AC005244, AC004832, AC002511, AC004876, AC007308, AL031577, AC003101, AC005057, AC016027, AC016830, AP000695, AL096702, AC005562, AC005355, Z85987, AP000099, AL031985, Z94056, AC004647, AL035423, AC006388, AF109907, AC002310, AC002425, AC006958, AL035684, L07562, AL109827, U62631, AF034458, AC005971, AL078634, AL133243, AC005736, AC007193, AC003108, AP000245, AP000036, AC004851, AL031295, AL031228, Z84484, AC005962, AP000033, AP000509, AP000112, AI003147, AC002996, AC007191, AC004792, AC004381, L78810, AC005274, AP000689, AL031591, AC005378, AC005412, AC005783, AC004972, AC004963, AL031291, AC007041, AL133246, AC006511, AC005544, AC002477, AC006441, AL031255, AC005529, AP000008, AC005940, AP000501, AL096701, AC005899, AC005225, AL031774, U62293, U63721, AC004966, AC007917, AL021977, AC006360, Z93016, AC020663, Z98304,

HNFHX58	8000	735299	1 - 660	15 - 674	AC005778, AC005920, AC009178, AF134726, AC005039, AL031846, AL031283, AC008372, AP000260, AC006040, AL031230, AC007790, AP000167, AP000052, AP000120, AF088219, AC005525, AC006430, and AC004675.
HNFHV96	8001	716913	1 - 923	15 - 937	N73263. AA256102, R24951, R14228, AA256037, N80330, AT740979, AA781179, AA491559, AA757102, AI262320, AA770189, AA398687, AA621291, AA885058, AI381911, AA831699, AI026903, AI698917, AW338905, AI479899, AL040709, and AC005263.
HNFHU61	8002	741901	1 - 349	15 - 363	AC006275.
HNFHR56	8003	733297	1 - 433	15 - 447	AA206774.
HNFHA09	8004	961165	1 - 450	15 - 464	H83638, R09824, R85639, R84674, and H83639.
HNFGS84	8005	783199	1 - 379	15 - 393	
HNFGJ65	8006	574598	1 - 81	15 - 95	
HNFGI42	8007	526844	1 - 105	15 - 119	
HNFGI17	8008	574597	1 - 170	15 - 184	
HNFGH36	8009	574601	1 - 185	15 - 199	
HNFGH32	8010	574605	1 - 227	15 - 241	
HNFGG80	8011	574602	1 - 59	15 - 73	
HNFGG18	8012	574608	1 - 261	15 - 275	N98823.
HNFGG06	8013	936086	1 - 282	15 - 296	AI284583, AL008629, Z31001, AB023051, AC005225, AL133245, AL033549, AC005911, AC004895, AC006480, AC006023, AL020993, AP000512, and AP000345.
HNFGF88	8014	522077	1 - 314	15 - 328	AI730916, AL048002, AA605266, AA748140, AI246884, AA229034, AA229080, AA187277, AI285453, AA181070, AA991792, AW410715, AI471827, AA670456, AA155784, AA226142, AA452998, AW409893, N23919, T71765, AA659832, AL035086, AC005207, AC005482, AL049712, AF001549, AL035555, AC004815, AC005157, AC002470, AC016027, AC016830, AP000510, AL033533, AL049843, AP000555, AP000031, AC007382, AL118510, AC006359, AC006312, AC004491, AR036572, U91328, AL109963, AL049749, AF165926, AC007308, AC004821, AL049869, D16561, AC004019, AF111168, AC005295, AC012384, AP001053, AC005078, AL008721, AC004905, AC000353, AL022069, Y10196, AL035400, AC007376, AC007637, AF024533, AC002477, AC004587, AC006450, AL13448, AC005225, AC004560, AC006111, AC005531, AC002425, AC009294, AC006449, AC005049, AL009181, AP000692, AC004583, Z82194, AC007242, AC004685, AC004878, AC004148, AC005071, AC002544, AC005484, AP000952, AC002480, AC002394, AC002040, L44140, AC005914, AL139054, AF196972, AC006480, AP000691, AC010169, Z82206, AC005030, AL020995, AC005940, AC007226, AL031584, AL119628, AC007842, AL022165, Z84480, AL035209, 297989, AL031311, AC005158, AC004938, AL035683, AL096801, AC006505, Z95115, AL021808, AC004383, Z93023, AC005520, AL031277, and AL022238.

HNFGF66	8015	860896	1 - 358	15 - 372	AW292971, AA993724, and AI049557.
HNFGF52	8016	522293	1 - 346	15 - 360	
HNFGF37	8017	574609	1 - 210	15 - 224	AI537253, AF009040, AF009039, AB020717, AP000276, AP000037, AP000105, AI006855, U45479, D85682, and AP000275.
HNFGE80	8018	571306	1 - 231	15 - 245	AW402309, AA351072, and AB007945.
HNFGE41	8019	504165	1 - 140	15 - 154	T94000, T93980, AI820713, AI732292, AA912299, AB014088, AC004190, and AP000516.
HNFGB81	8020	778250	1 - 531	15 - 545	W21191, AA032052, and AA436218.
HNFGA92	8021	790617	1 - 413	15 - 427	
HNFGA85	8022	521880	1 - 408	15 - 422	AA130623, T73021, T66029, AA226532, AI354847, AI520748, AA209436, AI567391, AI025355, AI018726, AI929298, AI929825, AW157180, AI679294, AW132065, H63515, H62137, H69577, H53255, AA653291, AA626840, AI859618, W32991, H94979, F23235, F33184, R66121, AA418696, AI671077, AA584098, AA418757, AI679871, N76251, AA468974, AA230025, AA468371, AA228368, AA224889, AA468505, AA228269, AA228442, AA224816, AA757621, AA467943, AA314404, AA425924, AA614254, R94909, AA487720, AW275763, AW084431, T05617, AL047480, AA126975, AI469125, AA211464, AW023975, AI683426, AA573214, Z82215, AC005231, AC002288, AC005203, AF146367, AC000379, AF124523, AC006599, AC002312, AF118808, AP000009, AP001052, Z97196, Z95115, AF195658, AC005527, AC006530, AC000025, AC006111, AC005529, AL035423, AL050318, AC006561, AL049697, AC004841, AC002126, AC005325, AL049780, AF091512, AL009175, AC005015, AC006536, Z93023, Z77249, AC007216, AC005225, AC003689, AC004887, AC004966, AC004663, U91318, Z83838, AC004913, AJ003147, AP000503, AC005520, AP000505, AC005971, AC004036, AC004812, AC007688, AC009247, AC000052, AC005081, AF001548, AC005180, AC007387, AF050154, AL006996, AL022318, AC005545, AF031076, AC008282, AC007566, Z84484, AF134726, AL031680, AC007666, AC007934, AC002985, AC016831, AL035587, AC005684, AC007308, AC005193, AC004678, Z98044, AL031311, AC005011, AC006511, AC002045, AF045555, AC005255, AL132716, AC005839, AC005736, AL096766, AP000553, AP000210, AP000132, AP000501, AC009516, AC002039, AL139054, Z97630, Z93244, AC005482, AP000048, AL031589, AL050332, AC005914, AC005028, AC016025, AC004459, Z99128, U07561, AC005578, AC005288, AF053356, U80017, AP000141, AP000065, AL034420, AC003982, AC002551, Z82173, AC002369, AL021878, AL031174, AF031078, AL049843, AC005372, AC005284, AP000309, AL049869, AL023052, Z82190, AL031846, AC006571, AF030876, AL022330, AC005562, AL021937, Y14768, AC007386, AC005046, AC002470, AL132987, AC004139, AC003957, AC001036, AC006512, AL008582, AC004674, AC004262, AC005089, AL049793, AL049760, AL132712, AC004084, AF196779, Z94044, AC007551, AC004447, U91323, AL022476, AC005037, Z82178, AL021366, AC006084, AC004895, U95090, AC004983, AC006487, AL022721, AL031005, AC000035, AC005821, AC006130, AC007226, AC006468, AC004152, AC004263, AL031282, AC004686, AC002994,

HNFGA57	8023	571305	1-208	15-222	U47924, AC007993, AL035458, AP000555, AL078581, AL035658, AL031123, AL078638, AC006531, AC005291, U62317, AC005412, AL096791, AL133448, AD000092, AC000085, AC006539, U73737, AL020663, AC006538, AC007225, AC004682, AP000462, AP000689, AL022313, AC005332, AC005952, AL121658, Z95152, AL034423, AC000039, AL080243, Z49155, AC005793, AC002350, AC010582, Z83843, AP000031, AL121653, AC004032, and AP001054.
HNFU64	8024	578096	1-278	15-292	H81542.
HNFR38	8025	455273	1-732	15-746	AA954660.
HNFQ29	8026	860905	1-392	15-406	H30642, and AL049552.
HNFO20	8027	836239	1-484	15-498	R71423, AA649995, AA548429, H00226, AA442374, AW363180, AI806931, W35309, R77144, W92109, AA628013, N39838, and H27628.
HNFL57	8028	786899	1-410	15-424	
HNFF05	8029	932432	1-145	15-159	N56475.
HNFFC75	8030	767453	1-220	15-234	AI884861, AA679353, AL047493, AA363027, R48980, AI537800, AA452843, AA910783, AI377396, AA541532, AA857812, AA376896, T08336, AI580979, AL037777, H38769, T90477, AI362442, AA253451, AI419337, AA290802, AI361090, AI570805, AI381408, H24953, AA295893, AA058312, AI280574, AI421950, AA295899, AI049630, AA599080, AA769141, AW026305, AI348467, AW161459, AA219349, T60940, AW161879, AI803767, AI191343, AW268329, AI003797, AA936548, AA746939, AA304790, AA669957, AW327555, AA528574, AW265688, AL120004, AI383G3, AA528503, AA809125, AI289050, AI364568, AI284092, AA809089, AA313075, T56025, H65697, AA772704, FI1421, T17332, AI34775, AA283081, T98915, AW363085, AA581317, AA650447, AA236867, AI689198, AI274697, AI469392, AI860021, AI038842, AI135383, AA890060, AW168510, AL008635, Z82097, AC007684, Z73417, AL035072, AC004859, AF196969, Z82182, AF003626, AC005004, AC002563, AP001059, AI109983, AF139813, AC004712, AL021155, AL023581, AC004770, AC004228, Z82248, AL031590, AC007450, D86995, AC005280, AF024534, AC008150, AC005519, AL021453, AC002454, AL109623, AL031666, AI006216, AP000264, AP000035, AP000100, AL050318, AC006080, AF029308, AC004616, AC004655, AC006976, Z82250, AL133245, AL132712, AC005520, AL109847, AC007011, AL021917, AC005779, AC002404, AC005690, AC002350, V00596, AC004185, M17262, U15177, AC004656, AL035588, AC006050, AC005873, AC007193, AC005300, AC004922, AL049745, AP000962, AC002982, AC004088, AF024533, AC005086, AC011456, AC012085, AC007686, AF111169, AF035968, AC000082, AC003029, AC004673, AC005071, AC007160, AL023876, AC002094, AC007860, AC006946, AC007880, AC005335, AC006505, AL021977, AC006347, AC004854, AL031659, AF124730, AL008631, AC002073, AL022318, AB014079, AC006139, AC004927, AL117342, AP000514, AL117154, AC004132, AL079342, AC006115, AL133500, AC006512, AC007934, AL022334, AC005316,

HNFBY24	8031	677114	1-363	15-377	295329, AL034402, AP000513, AC007277, AL031000, AC000682, AC005666, AL022165, 285996, AC000378, AC005219, AC007917, 298304, AL035249, AL031283, AC005041, AC000392, AC003002, 298743, 298043, 295115, AC004841, 285986, AC004966, AC005578, AC006948, AC005512, AC007030, AC004491, AL096791, AC004771, AP000128, AP000206, AL031672, AC004408, 282194, AP000245, AP000553, AC007938, AC009516, AC002365, AC007308, AL021393, AC005081, AC004554, M19508, AL021391, AC005317, AL121748, AC005624, AC004785, AC005480, AL031595, AC004891, AC006576, AL034417, AC004552, AP000352, AL133312, AL121652, AL034549, AC006372, 865785, AC002527, X85448, AC004797, AB012168, AC004534, AF134726, AC004149, 295125, AC005593, AL035659, AC006146, AC006011, AL078638, AL049843, AC005828, D49685, M55987, X95887, AC003965, 298882, 273964, AF184110, 298051, 293096, AL117351, AP000502, AF019413, AL031735, AC003957, AL020997, AL021940, AC002432, 284469, AC006059, AC005906, AL049839, AC004851, 269706, AC002401, AC005355, AL022721, AC005884, AP000509, AC005053, AB014077, 281010, AC004209, AC004611, AC005182, and AC007868.
HNFES06	8032	936099	1-404	15-418	U82757, AL049692, AL049745, AC005764, and 292542.
HNFEQ28	8033	685514	1-383	15-397	H67644, AL079695, R15238, T26386, and R12358.
HNFEL84	8034	783211	1-479	15-493	AA039447, AI765745, W27268, AL137465, and AF159447.
HNFCV02	8035	861004	1-878	15-892	H74104.
HNFCO90	8036	529966	1-156	15-170	AL022098.
HNFCO85	8037	529967	1-267	15-281	
HNFCO52	8038	518637	1-334	15-348	285987, and 294161.
HNFCO41	8039	529970	1-296	15-310	255913.
HNFCO37	8040	507312	1-841	15-855	AA203114, AA001350, H70366, R00660, H83070, and R95157.
HNFCO32	8041	529971	1-321	15-335	
HNFCO22	8042	529973	1-146	15-160	
HNFCL25	8043	556464	1-380	15-394	N65923, and AF109907.
HNFBY08	8044	960222	1-347	15-361	R94859, H65499, and AC005920.
HNFBT45	8045	574972	1-521	15-535	AL031728.
HNFBQ02	8046	921029	1-412	15-426	A-019957.
HNFAF78	8047	601639	1-590	15-604	AC007225.
HNFDU66	8048	861030	1-391	15-405	AA971408.
HNEDR54	8049	730953	1-392	15-406	AA225166.
HNEDP86	8050	785736	1-426	15-440	AA251806, AW008517, and AL035530.
HNEDO77	8051	955894	1-498	15-512	AA513389, AI597937, W21995, AI619825, AW304348, AA307643, AA247984, AW025299, AI738561, AI659244, AI161148, AI887436, AA192151, and D59922.

HNEDJ03	8052	967115	1 - 448	15 - 462	AI923367, AI583218, AI373875, H99041, AA614659, AA701656, AA455317, AI624093, AL120931, AI051123, N27564, AW131426, AA745905, H97344, N33217, AW193312, AA036731, AI811692, AI435894, AI738753, AI248194, N47754, AI890992, AA479068, AA601557, AI287545, AA894619, AI623609, AW058621, AW081918, AW168028, AI346563, AW168929, AI433476, AI923848, AI566456, AI565036, N22090, AA678000, AI245176, AI245198, AI272966, AI063008, AI298694, AI187073, AA150090, D62527, AI435647, AI770052, AI680189, AA812522, AI899986, AI185100, AA403052, F11075, AI350680, AI866206, AI432046, AA514269, R20526, H46858, AI566594, R27302, R69930, AI143203, AW169234, AI080704, H18624, AI280761, AI697429, F36516, AI382360, AI472034, D61736, AI573004, AI888697, AI932870, AI355692, AA805532, H04179, AI355703, AA687849, R67586, N91144, N93493, AA757226, AI42620, R66707, AI298478, AW104101, AA150159, AI375753, AA496981, AI589126, AA381382, AA381400, AI401617, AI359209, N66889, R32649, R33334, AA381630, AW378387, AA381701, AA381636, AA904561, AA381643, H18598, AA381945, AA381644, R52479, N89744, R75976, AI263846, N56395, AA381602, AA381460, AA654417, AW152083, AA381275, AA167390, AA476343, AW051256, W81443, AA804381, C02214, AW057830, AI805033, AI075972, AI242237, AA347509, AW378359, AA284149, F31071, AA889282, AI679723, AI679152, AW378412, AA765452, AI216644, AA427526, H27061, R33333, AA999840, AI802150, R69882, R07700, R76807, AI915452, AA381605, AW022830, AI570298, N34507, N75875, AI280767, H18597, AA632567, AA844237, W04813, and AC004520.
HNEDH59	8053	739533	1 - 515	15 - 529	R19732, R55864, H09660, R61075, R19557, and AB032971.
HNEDF15	8054	946986	1 - 1267	15 - 1281	AA573510.
HNEDD15	8055	812918	1 - 437	15 - 451	AI615028, R81017, AA084609, AI923451, AI923458, AW168420, AI267269, AW088012, AI733856, AA427636, AA464739, AI953290, R84593, AA653139, AW23854I, AI284640, AA704393, AI611569, AI611598, AA213959, R62710, AW188742, AA904211, AI249683, AI870453, AW270345, AI587467, AW265688, AL138329, Z83322, AC004242, AC005011, AC007066, AC005099, Z98044, AC004811, AC005412, AL049539, AC005280, AC007751, AC006441, AP000009, AL031228, AL022323, AP000510, AF129756, AP000030, AP000212, AP000134, AL139054, Z95114, Z97184, AL031311, AP000252, AL050341, AC005209, AF196969, AC006241, AL035086, AC005778, AC005529, AL109963, AB023048, AC005548, AC005694, Z83344, AC007421, AF205588, AC007371, AC006323, AL031666, AC005839, AC002544, AC005527, AP000065, AC004673, AP000556, Z98946, AC006509, AL121658, AP000552, AL035659, AC005632, AC004883, Y14768, AL035460, D87675, AC005231, AC004921, AC002375, AC005736, AP000331, AC005500, AC004805, AC007731, AL031284, AF196779, AP000172, AP000057, AL049795, AC005562, AC004815, AC006480, AP000125, AP000512, U85195, AL031846, AC007055, AP001136, AC004626, AL035405, AC004999, AL049761, AB023051, AC002476, AC006057, AC006511, AC006111, AC003029, AC000353.

HNECS71	8056	761415	1 - 351	15 - 365	AL121652, U82668, AC005291, U95742, AC006160, Z99716, AC002365, AL096791, AE000658, AC005479, AC006449, AC006141, AC005544, AC005914, Z84476, AC005560, AC004912, AL049776, AC004966, AB001323, AC005746, M30688, AC005488, AC005907, AC004659, AC000085, AC003982, AL009183, AC009516, AC002303, AL022336, AP000501, AC005245, AC004167, AL049830, AL023575, AL121825, AJ246003, AC004706, AC005225, Z83826, AC012384, AC003070, AF111169, AL078638, AC002073, Z83851, AC004702, AL049869, Z93017, AC002468, AL049766, AL023283, AL109827, AC006312, AC007688, AL034451, AL035249, X54486, AC005041, AC006965, AB003151, AC008039, AC007437, AC006475, AC004526, AL133163, AL022320, AC005823, AC002425, AC004777, AC006429, AC003098, AC004841, AC005701, AC007228, AC005619, AC006265, AC004491, AC005519, AC005332, AL049631, AC005399, AC004876, AL022721, AC004929, AC005971, AL121603, Z93928, AL033527, AL031575, AC005086, AL033420, AP000696, I40904, Z68128, AL009179, AC004967, AC003667, M63796, AC003030, U78027, AL031584, AL135783, AL022238, AC007707, Z98745, AL121653, AP000300, AC005486, AL049636, AC004033, AC004686, AC002115, AF165926, AC005740, U91326, AC005015, AL049653, AC007279, Z82178, AL109798, AC004517, U80017, Z97054, and AC005884.
HNECP28	8057	469521	1 - 535	15 - 549	T63576, W15491, AA119804, AL113159, AA843953, AW161793, AI092028, AA552204, AW136111, AI141347, AI185926, AA772103, AA053012, AI264527, AA620892, AA975679, AI292163, N22339, AA568942, AI189028, AW006799, N33511, N45217, AI338778, AI348018, AI184473, AI186835, AW162638, AI346238, N20265, AA121312, N32971, N22986, AI268696, AI687031, AA631050, W47402, AA738236, A831927, AI581714, AI191389, AI207353, AI076913, AI031528, AA890278, H06229, AI354662, AI023013, AI146940, AI814446, AI523222, AA115499, AA609073, AI360917, AI285388, AA608567, AI246045, AA568240, AA508381, AA322726, N20264, AI932474, R76084, AA443103, AA460311, AI146531, F02954, AA149816, AI032190, AI368495, AA532767, R79965, AA159633, H96348, AA976176, AA782201, AW190870, AI208659, T90250, AI695863, AA715129, W52013, AA372891, AA079783, AA079671, AA804874, N91526, AA641601, AA662579, AA513828, AA115027, AA058638, Z21398, R76133, Z21400, and S82464.
HNFCN28	8058	558790	1 - 239	15 - 253	T92707. X82015, L32185, E12100, D38171, D50403, D50402, L38592, Z34916, AF005380, U70255, U55068, L13732, AA565655, AF005379, U39614, U12862, U27105, AA54644, L38593, AA5643, and S79364.
HNEiC141	8059	712607	1 - 487	15 - 501	W88808, and AC004782.
HNECD74	8060	470015	1 - 538	15 - 552	
HNEBY64	8061	514762	1 - 754	15 - 768	AA468319, AW078900, AA602906, AA622801, AA468466, AI917891, AA610491, AI047427, AW302909, AI744830, AI262909, AC002045, AC005468, AL031680, AP000350, AP000113, AC007546, AL035683, AL109798, Z97053, Z94721, AP000512, AL096761, AC004253.

HNEBY10	8062	968455	1 - 490	15 - 504	AP000557, U91326, AF038458, AL022395, AC006111, AC006509, AL009181, AL031311, AC003950, AL023498, AP001054, AP000696, AC004973, AC006211, AL096701, AL031652, AL050338, AP001053, AC004132, AC009509, AC008372, AC004883, U47924, AC000097, AC004465, AC006120, AC002312, AC006547, AL023807, AL035072, AC004263, AC005288, AL109753, AL121658, AC005368, AL009174, AL010206, AL031281, AF196969, AC005067, AL133371, AC005823, AC005081, AC002044, AL117258, AL031602, AL022721, AU053356, U85195, AC007263, AL109758, AL031432, Z98200, AL022315, AC006453, AC005225, AL031670, AC005695, AE000658, AL049576, AL109628, AL031284, Z97054, AC002316, Z85996, AC004686, AC007226, AC004231, Z93017, AC022517, AL022316, AC005037, AC004849, AC005089, AL049781, AP000553, AL031984, AC004983, AC004382, AC009516, AL031257, AC004491, AC005011, AL050318, AL034420, Z98742, AL121652, Z84487, AL031005, U95090, AC004884, AC005740, AC002300, AC020663, AC003663, AC004922, AC004605, AF001549, AF111168, AC006480, AC006255, AC005295, AB001523, AC002425, AC007707, U07562, Z95115, AC004706, AL031774, AC004812, AC003101, AL049795, AL049872, AL133355, AC007842, AL080243, AC007371, AC006958, AC004460, AC005666, AC005952, AC002086, AC002073, AC006367, AF111169, AC002472, AC005839, AC006262, AC007011, AL049776, Z99128, AC007283, AC007686, AP000555, AC002492, Z83244, AC004929, AC005332, AC006571, AC004477, AC002350, Z95114, AC004805, AL031591, AC004878, AC005229, Z99495, AL021878, AL031577, AB020863, AC000025, AC005747, AC005088, U95743, AL023494, AC024507, AC005971, AL034429, AC004032, AL096712, AC006241, Z95118, AC002985, AL020997, AL022330, AC008018, AC006023, AF067844, and AC007225.
HNEBN04	8063	927811	1 - 464	15 - 478	AA932258.
HNEBM59	8064	950732	1 - 480	15 - 494	AA084174,
HNEBM40	8065	868109	1 - 418	15 - 432	AL121603.
HNEBJ95	8066	529572	1 - 188	15 - 202	
HNEBJ81	8067	529571	1 - 158	15 - 172	
HNEBJ67	8068	529573	1 - 113	15 - 127	
HNEBJ62	8069	861074	1 - 276	15 - 290	AI620676, AC004929, AC002996, AC005037, AP000240, AC003070, AL049779, AC006946, AC005295, and AL008118.
HNEBJ43	8070	529574	1 - 187	15 - 201	
HNEBJ31	8071	529577	1 - 321	15 - 335	
HNEBJ21	8072	529578	1 - 216	15 - 230	
HNEBJ10	8073	968440	1 - 267	15 - 281	AA826197, and 299128.
HNEBJ09	8074	529579	1 - 158	15 - 172	AP000556, and AP000557.

HNEBJ07	8075	861072	1 - 350	15 - 364	N53565, AT01080, AW263784, AL041578, AL041530, AA490097, N64437, AW245179, AW090754, AI566408, N87410, F31619, AA348402, AA456422, AI364074, AA371642, AW408686, AW074022, AI924806, AA558857, R69934, AA569065, AW104748, AW408106, AA507991, AA078255, AW373604, AA287618, AA776211, AA639025, AW383357, AA317096, AI038597, AI568678, AA780386, AA586850, AA600126, AA156684, AA135074, AA483942, T65978, AA192888, AI870650, AC007358, AL021154, AC007917, AL031985, AP000344, AC006449, AC004655, AC007384, AC005099, AL109758, AC004185, Z83822, AC005821, AL035423, AC002430, AL049569, AC006530, AC002480, AC005017, Z85986, AC004526, AP000689, AP000509, AC005529, AL031778, AI251973, Z94056, AB003151, AF003026, AL049589, AC006948, Z84480, AC002477, AC003977, AL031651, Z84469, AC002988, AC005255, AC002549, AC012627, AC002558, AC005164, AI003147, U64453, AF124523, D84394, AC002070, U91322, AC003030, AC006511, AC004106, AC004491, AC005777, Z98750, AI031290, AF195658, U80017, AC004019, AC005913, AC006241, AL109984, AC005800, AF053356, AC007538, AC007055, AC002312, AP000240, AP000557, AC005971, AF111169, AL109798, AC005200, AL022323, AC004854, AC005535, Z82244, AC005725, AP000558, AC02350, AC006388, AC003692, AC007993, AC004929, AL117330, AC004834, AC004531, AP000553, Z82214, AC002094, AC003982, AL049780, AC006441, AC007225, AC007536, AP000555, Z46773, U47924, U96409, AC005747, AC005053, AL121652, AL009181, AL049839, AL133371, AC009516, Z83840, AC006487, AC007546, AC006515, AC005858, AC005841, AC004905, AC004814, AC007090, Z93023, AC004832, AL022476, AL096701, AC005102, AC004583, AC005332, AP000275, AC006132, AL078638, AB000882, AL022228, AL133448, AL096701, AC003684, AC005751, AF091512, AC008012, AC005914, Z93020, AC006064, AL035089, AL050332, Z98036, AC004231, AP000105, AP000037, AP000503, AC004638, AC005363, AP000690, AL008721, Z97183, AC002416, AP000959, AC006251, AL008583, Z98256, AC002310, AL023575, AL121754, AC003663, AL021366, AF205588, Z68226, AC006539, AL049667, AC005722, AC007344, Z97876, AP000114, AP000156, AC002526, AC004882, AC006480, AL049745, AL031774, AL122023, AL096678, Z68756, AF134726, AC005095, AC004477, AC008273, AP000025, AL049776, AC005820, AC003041, AL031575, AL009183, and AL078632.
HNEBF27	8076	684467	1 - 255	15 - 269	AA340904, AC002430, and AC007384.
HNEBF20	8077	529643	1 - 66	15 - 80	AI298252, AI954850, AI743793, AI807633, AI537343, and AI208171.
HNEA086	8078	575534	1 - 288	15 - 302	F30650, AI567391, T05684, F30586, F35689, F16848, AA507814, AA570441, AA515728, AI707744, AW419389, AA654482, R74433, TI7332, AI869797, AA947369, AA340737, AA229159, AL121287, AI689198, R89560, AA610381, AA598736, AL037632, AI246996, AA338770, T39217, AA226532, AA527109, AW328202, R34070, AW150387, F30158, AA985199, AC002544, AL096791, U91326, AC005231, Z82215, AL022327, AC006312.

HNEAQ37	8079	507280	1 - 330	15 - 344	AF200465, AL034379, M87889, AF196969, AC005015, AC003002, AL034420, AC005696, AC005911, AL132987, AC005747, AC005217, AC003982, AC005225, U75285, AC004859, U67809, AC005736, AP000008, AL135744, AC004686, AC005212, AL109827, AC020663, Z8S986, AF001548, U73647, AL049712, AC005399, L78810, AL035659, AP000704, AL109758, AC006011, AC004000, AL031657, AC005944, AC002310, AC002551, AR060077, AC005006, AC006241, AC002398, AC006121, AF053356, AL049539, AL023807, AP000047, AC005531, Z84469, Z83844, AC012627, AC002558, AC007878, AF031078, AL050332, AP000555, AC005239, AL121603, AC005837, AB001523, AC007059, AC006132, AC002230, Z97054, AL023882, AF030876, AC004922, AC005084, AC002996, AC007766, AC005003, AC004655, AP000116, AP000115, AL031133, AC004656, Z69917, AC004858, AC004787, AC005104, AC004816, AC006449, AC004878, AC004963, AC005920, AL020993, AF095901, AF196779, AC007376, AC006512, AC004491, AC006023, AC005632, AC006130, Z98051, U07562, AL023553, AC005088, AC005004, AC004905, AC005074, AL050308, AF109907, AC005280, AC008372, AL121658, AL049795, AC004834, AC003041, AC004531, AP000503, AC007308, AC005049, AF038458, AL023879, Y10196, AL096678, AB023049, AC002365, AC007637, AC005256, AC005081, AC005666, AP000030, AC004929, AL024509, AL109984, 295115, AL031984, AL031230, AL021917, AC005488, AC004750, AC005102, AL133445, AC005996, AC005067, AF012640, AF030453, M63796, AL050318, AF118808, AC007537, AC005523, U91318, AC004770, AC005914, AC000094, AC000085, AP000303, Z82180, Z93023, AC000003, AC003026, L44140, AC006480, Z84466, AC007688, AL049843, 275891, AL004844, AL023803, AL021366, AL031293, AC005529, Z82901, AC007686, AL022323, Z83843, AC007993, AL080243, AL021977, AC005324, AC005821, AC006538, AF111167, AC005089, AL035417, AL050309, AC005823, AC005695, AL020997, AC004834, AC005578, AC005622, AC002984, AP000502, AC000159, AF196971, AC007226, AP000703, AC004985, AC006285, AC007731, AC003043, AL031668, AL008726, AC005331, AC003108, AC005921, AC005500, AL021154, U63630, AL031670, AC007192, AF134726, AC003962, AC005338, AC002119, AC005484, M20903, AC004927, AF001552, AC016027, AL033429, AC004832, AC006965, AC007774, AL022311, AP001053, AC004672, AC007676, AC006277, AC000026, AC010168, AC006262, AL031680, and AC000025.
HNEAN10	8080	968468	1 - 395	15 - 409	H30730, and H30813.
HNEAK47	8081	529646	1 - 251	15 - 265	H41860, AC321412, AA936323, and AA213692.
HNEAF71	8082	761414	1 - 473	15 - 487	W81648, W81649, AI754581, AW374534, AI902340, AI902342, and AF086458.
HNEAA59	8083	738531	1 - 511	15 - 525	H75348, AW406166, AI122621, H40371, H75349, AI318176, AI638837, AA315764, AI189304, AA093383, AI35256, AA723497, AI344272, AI592481, AW242317, AI140369, AW406665, H60725, AA330135, W68219, R91106, AA004461, AA676608, AI219489.
HMWIJD93	8084	849419	1 - 478	15 - 492	

HMWIZ55	8085	731809	1 - 210	AA923666, AW269704, AI380114, AA993867, AI199822, H60720, AA631326, AI345131, AI802852, AI538962, AI538961, AA379911, AA352708, R79296, AA884789, H89631, H60719, AA330579, NR8180, R91107, AW265718, H93720, AA366593, AA356557, R39706, AA614457, R97076, N57296, AW235202, AI799430, AA777983, AW29460, H60726, AA353277, H40318, N84253, R86943, AI655330, AI538668, AI910143, AI538747, H89485, N29873, AA330343, AA954784, AA860746, AI538678, AA912635, T28263, and D14657.
			15 - 224	AW301879, AW408709, N27559, AA856945, R20715, H71238, AC006017, AI049712, AC005837, AC016027, AC016830, Z85986, AC004605, AC005618, AC006277, AP000355, AC004890, AC004560, AL031666, AC005520, AC007845, AL034423, AL009181, AC004985, AL031728, AL031295, AC004056, AC007955, AC006512, U93305, AC005102, 279997, AP000512, AB023049, AC016026, AL021878, AL049832, AP024533, and AL078611.
HMWIX77	8086	973813	1 - 634	D58283, D80043, D50979, D59467, C14389, D80188, D80195, D80227, D80164, D59275, D59502, AA30557B, D80391, D80253, D59787, AA514188, D57483, D59859, D80022, C14331, D80166, D51423, D59619, D80210, D51799, D80240, C15076, D80196, D80269, D81030, D80038, D81026, D80212, D80193, D80219, D80366, D59927, D80378, D59610, D80522, AA305409, D51002, D59889, D50995, D80045, D80024, D80248, AW177440, D80241, C75259, AC360811, T03269, AA514186, C14429, D80251, AW17893, D51060, C14014, D80133, AW375405, AW179328, D80247, D80439, AW366296, AW378532, AW377671, AW360844, D80268, AW360817, AW375406, AW378534, AW179332, AW377672, AW179023, AW178905, AW177731, AW177501, AW177511, D58253, C05695, D80302, D80132, AW178762, D51103, AW179020, D51250, AW352171, D80134, D52291, AW377676, AW178906, AW352170, AW178907, AW178908, AW179019, AW179024, AW178775, AW360651, D80157, AW177505, AW177722, AW352158, AW360841, AW352117, D59373, AW178909, AW177456, D51759, AW179004, AW176467, AW179329, AW178980, T11417, AW177733, AW378528, AW178754, AW179018, D59695, F13647, AW179009, AW179012, AW178914, AW178911, AW378525, C06015, AA809122, T48593, D80168, AI910186, AI367967, C14227, D58246, AW178983, AW177728, AW178774, D81111, AW378543, AW360834, AI905856, AW352163, D59653, C14298, D58064, C14407, D45260, D59503, AW178781, AW177723, AW352120, AW367950, AW178986, AW378540, H67854, C03092, H67866, AI525923, D59627, D59317, D58101, Z21582, D59474, T03116, AI525227, D80258, C14957, D60010, AW177134, AI525917, AI557774, D80014, C14973, C14344, AW378533, AI535686, D51221, D51097, D51213, D59951, AI525242, AI525920, AA514184, D60214, T03048, AI557751, C14046, AI525912, AI525235, D45273, C16955, AI525925, AA285331, AW378542, AW378539, AI525215, AI525237, Z33452, D50981, C05763, D50974, AI525222, AW360855, D31458, T02868, H67858, C04682, AI525928, C13958, D51053, Z30160, AI525228, N66429, D80314, AJ132110, AB028859, AF058696, AR008278, A84916, A62300, A62298, AR018138, Y12724, D26022, A82595, X67155, Y17188, A25909, A67220, D89785, A78862, D34614, AB002449, AR060385, D88547, AR016808,
			15 - 648	

HMW1X37	8087	708676	1 - 363	15 - 377	A94995, I82448, I50126, I50132, I50128, X82626, I50133, AR066488, AR008443, AR016514, AR060138, A45456, A26615, AR052274, AR025207, Y09669, A43192, A43190, AR038669, AR066487, I14842, A30438, AR054175, D50010, Y17187, AR066490, A63261, I18367, AR008277, AR008281, AB012117, AR008408, AR062872, A70867, AR016691, AR016690, U46128, X68127, D13509, AR060133, I79511, A64136, A68321, A53396, D88507, AR066482, A44171, A85477, I19525, A86792, X93549, AF123263, AR032065, Z82022, and AR008382.
HMW1S12	8088	970753	1 - 1087	15 - 1101	A283313, AA910680, W70158, AW387836, W70197, R69239, AW387883, AW387786, AW387795, AW387782, AW387778, AW387775, R77897, AW020592, AI557808, AW020397, AW020710, AW021717, AW019988, AW020425, AW021178, AW023351, AW023955, W48671, AA099519, AW020629, AW022863, AW020480, AI687134, AI525653, AW022299, AC010202, AC005365, AC004686, AL021393, AR050959, X60769, and AC002480.
HMW1Q64	8089	842657	1 - 1650	15 - 1664	A684734, AW134873, AA912105, AI808963, AA905108, AA764759, AI911204, AW268977, AW405428, and AW086137. H51069, H93820, H93316, H51070, AI048969, AA603421, AA353216, AA679794, N57681, AI281818, AA714110, AI859438, AW410354, AI380617, AA129746, AW419389, AA714011, AW407632, AW031161, AI884383, AA489240, AA601230, AW022934, AW151247, AI523074, AA604831, AW341978, AI291439, AI537995, AI536858, AI130709, AI709307, AW131356, T74524, AA678950, AW272640, AI814682, AI446623, AI73569, AI120959, AA558404, AI042906, AI340151, AA829044, AC002126, AC004491, AC005081, AL096791, AC006449, AC005632, AI031670, AC004859, U91326, AC002365, AI109865, AC005015, AC005332, AC007731, AC005500, AF196969, AC005399, AC006121, L78833, AC005225, AC003982, AC005527, U47924, AF129756, AC004983, AL031680, AL049779, AI049540, AL121603, AC005088, AL109627, Z98941, AC006312, AC002316, AC002425, AC005529, AL139054, AC004991, AC005736, AC005519, AP000512, AL035072, AL031846, AF001548, Z98946, AF001550, AC005531, AC005746, AC002477, AL031230, AL031311, AL024498, AF111168, AC003101, AC005911, AC005011, AC003684, AC002544, AC006641, AC006111, AC004019, AC002301, AC005488, AL031673, AC004841, AC002303, AL031283, AC005409, AC005207, AC006480, Z83840, AC002429, AC005484, AL133245, AJ011930, AF109907, AL031133, AF047825, AC007886, AL133246, AC005520, AP000557, AC007886, AC004253, AL049776, AL031662, Z83846, AC007371, AL096701, AC005288, AC009516, AC003043, AL080243, AC002565, AC005089, AF001549, AL021391, AC003029, AC002470, AC004033, AC002073, AP000134, AP000212, AC005839, AC007637, AC004659, AC006538, AL022302, AF134726, AC004584, AC000353, AC000052, AC005695, Z98834, AC005231, AC004821, AC004000, AL121658, AC003109, AP000359, AL133163, AC004797, AL031283, AC007263, AC007536, AF001552, AC005368, Z99716, AC005318, AC005940, U91323, AC005280, AP000248, AP000558, AL031282, AC002543, AC012384, AC004139, AC009247, AC016025, AL035659, AC005913, AC005971, AP000514, AC002302, AC002350, AC002347, AC004477, AC005599.

HMWIQ44	8090	716509	1-625	15-639	AL034555, AC007225, AC006115, AC005010, AL022316, AC004662, AL022326, Z98200, AL022320, AC007666, AP000114, AC006013, AC005013, AC006084, Z82208, AP000065, AC005544, Z84469, U95740, AC007384, AL035587, AL008719, Z97832, AL031685, AC006014, AC004967, AL135744, AC006261, AC004148, AP000552, AP000555, AP000503, AC005747, AP000046, AC000003, AC003108, AC007283, U85195, AL132712, AL079304, AL121652, AP000210, AP000132, AD000092, AC004526, AC007041, AL096774, AC004813, U95742, AC007057, AC004492, AC007688, AC007369, AC006160, AC005844, AC004966, AC009263, AC005730, AB023049, AL035697, AC006241, AL022238, AL034451, Z85987, AP000501, AL044966, AE000658, AL031005, AC002996, AC003104, AL109984, AL009181, AC007193, AL049569, AP000556, AL122020, Z73359, AC002404, AC005837, Z84480, AL022165, AC007216, AL121653, AC002558, AC003007, AF030453, AC002395, AL022721, and AL021368.	AA160427, AI912401, AA228442, AW272815, AA972523, AA484892, AA728911, AA449923, AI733856, AI860535, T74524, AW019964, AA502980, AI049643, AA65329l, AA904211, AW270385, AI864500, AL041375, F23327, AA593537, AA485402, AA757758, AI537995, AI536858, AI130709, AA515351, AI142231, AA577985, AI989408, AA502977, AI434311, AI690379, AW237905, AW265688, AA827383, AA298365, AI791659, AW169038, AI139054, AC003029, AC006111, AC007216, AC006211, Z84480, AC005102, AC005519, AC004883, Z95114, U95742, AC007227, AC006312, AC005086, AL109798, AC005484, AC005412, AL008582, AC005229, L39891, AC005730, AP000355, AC005722, AL031728, AL009183, AC004230, AL022320, AL121603, AC002996, AC004583, AL022316, AP000090, AL109963, AC005372, AC004106, Z83840, AC007690, AC009247, AC005914, U78027, AC005953, AL109628, AF053356, AL035420, AL051636, AL013255, AC003101, AC006449, AC006064, AP000704, AC004000, AP000044, AP000112, AC007421, AC000025, AC005839, AC022663, AF207550, AC005696, AC004966, AC004019, AC002128, AC005031, AL031447, AC005971, AL031311, AC005071, AC004819, AL021393, AC004876, AL023575, AL035422, AP000067, AC004975, AL096701, AC005776, AC004253, AC003109, AL079340, AL035423, AC004859, AC005057, AP000689, U96629, AC005488, AC004813, AC007225, AC005368, Z93946, AC006317, U63721, AP000557, Z97056, AP000008, AC006511, AP000555, AC004963, Z93930, Z84469, AP000399, AC006285, AC004967, AC005670, AC004821, AC006539, AC002350, AC004851, AC005015, AC005261, AC005837, AC004955, AC005899, AC004884, AL035681, Z98044, AP000491, AF190465, U80017, AC005081, AL121825, AL031681, AC005225, AL020997, AF196779, AC002310, AL034420, AL049569, AF134726, AC002040, AC002477, AL121652, AL031767, AC007308, AC006477, AC007226, D87675, AF001552, AC004383, U47924, AC007066, AC000353, AC007686, AC009516,
HMWIO15	8091	956253	1-360	15-374		
HMWIM05	8092	861094	1-567	15-581		

HMWIL08	8093	959512	1 - 708	15 - 722	AP000503, AC002039, AC006011, AL133163, AC004706, AL109952, AB023048, AJ010770, AF118808, AP000692, AC004638, AC008072, AP000143, Z98304, AC005632, AC007263, U91323, AC006023, AU022163, AL121658, AP000604, AP006827, AC004685, AC005756, AC003043, AL049757, AL034549, AL031685, AC005736, AC002544, AC004895, AC003982, AP000558, AC006001, AC004595, AU022336, L78810, AC006071, AF047825, AC002553, AC002404, AC006441, Z98048, AC004382, AC002470, AF165926, AC005562, AF205588, AC002425, AC004686, AC002565, AL034548, AL049776, AL035400, AC004962, AL024498, AC002045, AC005828, AL022165, L78833, AL031680, AB020868, Z93241, AC004234, AF111168, AC005940, AC005844, AC006360, AL035413, AC005180, U62293, AF111167, AC004132, AC006013, AL031662, AC006480, AC007917, AC004797, AC002094, AC005274, AC002395, AC005746, AC004167, AP000045, AC002476, AP000511, Z83844, AL023553, AL009181, AL133448, AL135744, AC005200, AC004125, AC005972, AC005841, and AL031666.
HMWIK10	8094	964701	1 - 611	15 - 625	AI377192, AI184080, AA450266, AW026855, W65480, AI869635, H92183, H14198, AA974576, R58922, R90834, H97357, and AA35111.
HMWIG75	8095	767332	1 - 318	15 - 332	AA776466, AI470184, AI742757, AI750964, AA865422, AW005649, AI750965, AI969031, AI741029, AW139279, AA338882, AI445299, AW341808, AB032959, and AL021393. AW193265, AW408717, AI613280, AI350211, AI281881, AI270117, N53150, AL046409, AA623002, AI860013, AA828704, AI284640, AI334443, AI431303, F36273, AI358571, AA490183, AL119691, AA482711, AI79642, AA587604, AI734658, AW083402, AA613203, AA834707, AW261871, AL038705, AW438643, AA577906, AW083364, AW270270, AL044940, AW276827, AL037683, AA806796, AA722372, AA720702, AA551503, AA493471, AA613232, AI370074, AL041690, AW338086, AI370094, AA862173, AI113164, AA553661, AI570261, AI457397, AI375710, AA503947, AI744995, AI688846, AA584167, AI053672, AW274346, AA599920, AW193432, AI814735, AI471481, AI286356, AA631507, AA723017, AI634384, AI74188, AL033785, AA364429, AI719805, AW020141, AI696962, AI376100, AI921649, AA630925, AI491814, AW406447, W79504, AA134367, AI537955, AA213741, AA649642, AI281697, AI499938, AI368745, AA525824, AA664015, AI076616, AA362349, M86143, AI956124, W05405, AI559705, AA219129, AA661921, H71429, AI798473, AI969436, AA501600, N66026, AA368956, AI26777, AA330859, AA594725, AA601388, AA984708, AI963720, N27763, AA164251, AA469451, AI370878, AW148792, AA244357, AI017024, AL138455, AL040921, AI002834, AL043009, Y18431, X95097, AF077058, X55932, AF015167, D83989, U57005, AF015147, X55925, U18391, U18394, U18392, X54179, A39972, X55926, U57009, X54180, U18395, U18393, I51997, AF015157, U12582, X55927, U67801, U57000, X55350, X54175, X54181, X54178, U18398, X7535, U57008, U67832, X55924, U18387, X54176, AF015166, U67831, X55931, S75201, U18390, U04355, L47228, Z22650, AF015156, X55922, L35531, U67829, AL033543, U67827, AF015151, X55929, AF015149, X62356, X55930.

HMWIG26	8096	861091	1 - 354	15 - 368	X55922, U18388, U12580, AI121603, U18400, U14701, AC007919, AC006511, AC004675, X55933, AL022302, X74558, AC005784, Z69666, AF088219, AF196779, S56773, U67828, U12584, AL023879, AP000692, AC005745, U13396, AC009516, AC004019, U67231, AC004987, U57004, U95742, U57007, U67229, AC020663, AC003007, AF015170, AC005034, AC007216, AL035413, AP000275, AC005944, AC005412, AF060568, AL079340, AC007848, AC004940, AC002429, AL080243, AC005280, AL078463, AC004899, AF029308, U67233, AC004152, AC004686, AC004954, AL034555, AL023523, AC010168, AP000037, AP000105, AL123641, X88791, AP001068, AB020859, AF010238, AC004517, AC007011, AC007666, AC006077, AL078477, AF190465, AL096776, AL049766, AC007051, Z98043, AL023882, U82668, AC004592, AI246003, AF015161, Z98051, AC005632, Z49816, AC005039, Z30979, AL050097, Z98752, AC005740, AP000552, AC004217, M37551, AL121591, M87919, X76629, AC007298, U67226, U47924, AC005242, AC002549, AC016026, AR042836, AP00252, AC007182, AC005046, U75931, AC004895, AC005839, AC006442, AF001549, AL035425, AC004167, AC006271, AC000118, AC006251, AL117256, D87009, AF165142, AC004638, AC005913, AL121823, AF015165, AC005291, AB016897, AP000246, AC003003, AL035659, AC002470, AC004622, AC004848, AC004381, AP000207, AP000129, AL031846, AC005666, U66059, AC004650, S43650, AL049845, AC005081, AC004979, AC006538, U67225, AC002451, AC004637, AC000047, AL021707, AL108716, S70689, AC004986, AC002301, AF015153, AC005529, AC004029, U67222, AL121658, AC002377, AC000353, AP000557, AC006128, AL080250, AC006017, L43392, AL136297, AC007463, AC004931, AC002456, AL031848, AL022722, AL031777, AC000100, AC009263, AC002540, AC006925, AC000385, AC004453, U18389, AP000556, and AP000855.
HMWIG17	8097	663972	1 - 473	15 - 487	R91765, H80580, AI127315, and W69323.
HMWIG13	8098	657260	1 - 341	15 - 355	W92749, AA135553, AA723171, AA971474, AA716724, AA723148, AI129477, AA722631, AA126701, AA759279, AA128243, AA054734, AW130619, AI342776, AA521028, AA758558, H30397, AI312713, AW007796, AA814686, AI458793, AI911961, AI356318, AA44866, R50475, AI992039, AA885885, AI335606, AA448808, AI244820, AI243873, AI692581, AI018349, AA746499, AA831847, R69848, AA045310, AI279451, AI540785, W84621, AA648741, AI686115, R23217, AI652242, AI277449, AA983572, AI199899, AA977601, AA434264, AI284514, AI356077, H30405, AI061132, AI148418, AW300520, AA040698, AI969976, AW083124, AI160129, AI424072, AI536950, AI093214, AI089947, AW170119, AA811443, AA936383, AI142495, AW006134, AA447432, AA401210, AI831954, AA383372, AI371031, AA555078, AI189568, AI830792, AA043162, R69469, AI401693, AT38759, AI910399, AI188058, AW090281, AA641027, Y17454, AF159025, and AB030835.
HMWIG01	8099	913689	1 - 147	15 - 161	T92652.
HMWID28	8100	419821	1 - 585	15 - 599	

HMWHV1A19	8101	928488	1 - 256	15 - 270	
HMWHZ43	8102	861097	1 - 364	15 - 378	AA872717.
HMWHW82	8103	779903	1 - 277	15 - 291	H71976, and AC004128.
HMWHV36	8104	708099	1 - 364	15 - 378	T82833, and AW404502.
HMWHV12	8105	970742	1 - 408	15 - 422	W69602.
HMWHP86	8106	785510	1 - 305	15 - 319	AI952414, AI821854, AA594979, AI821710, AI253514, R06129, AI733011, and AA641406.
HMWHD04	8107	794306	1 - 214	15 - 228	AA158392, AA226584, AA484143, AI002734, AI298246, AI241835, AA311194, AA640704, AW078845, AC005480, AC004955, AP000512, AL049759, AC005221, AP000359, AC002350, AC016025, AC004480, AF064861, AL035072, AC004147, AC003147, AC002375, AC004805, AC005037, AC004883, AC004921, AC005755, AC006285, AC005803, AC005484, AC006538, AC006065, AL050348, AC008126, AL137191, AL022326, AL049780, AC005940, AL096791, AL031432, AC006166, Z84480, AC002420, AC005971, AC007695, AB023051, AC002115, AL049871, AF196969, AF091512, AC004865, AL078614, AC007738, AF195658, AC006530, AF067844, AC004821, AC007537, AL031602, AC003982, AC004701, AL023494, AC007360, AC002425, AP000114, AP000046, AL132994, AC007639, AC002351, AB020865, AP000269, AC008134, AC005746, AC005519, AL121652, AL031281, AC005887, AC005921, U73636, AL031255, AI132987, AL035438, AB023049, AC005520, AL022313, AC019014, AC004490, AC005291, AC007387, AC005696, AP000103, AL035086, AC006251, AC005409, AL034417, AC006344, AC006387, AC005768, AP000556, AC008101, AP000260, AC004682, AL035413, AC004796, AC006449, AL035587, AC007688, AC006138, L44140, AC006522, Z83851, AC004019, AC006039, AL022345, AC004596, AC006312, Z69838, Z84484, AC005091, Z93017, AF053356, AC004854, AC007193, AP000208, AP000130, AP000099, AC002470, AC004963, AL132777, AL021391, AP000247, AP000344, and AC005922.
HMWHB71	8108	565104	1 - 1244	15 - 1258	AI707744, AL120282, AI688963, AI046225, AL045756, AI268019, AC006942, AC002565, AC006430, AL034555, AC007686, AC004816, AC005231, AL080243, AC002425, AC006111, U07562, AL035455, AC004491, AL133163, AC004832, AC004922, AC003101, AC009516, U95740, AL020997, AL021546, AC005740, AL031255, AL031283, AC006126, AC002551, AC007216, AF196779, Z83732, Z85986, AL079342, AL035420, AP000553, AC004967, AC005015, AL024507, AL020995, AC005736, AC004257, AC004067, AL031228, AC002288, AC004887, Z94044, AL022322, AC012384, Z97054, Z83822, AP000030, AC006285, AF205588, AF111168, L78810, AC016025, AL133245, AC006001, AC005291, U95742, AL096791, AL049749, AC000052, and AC007934.
HMWGW79	8109	646280	1 - 652	15 - 666	H29797, H08896, and H70302.
HMWGQ48	8110	861114	1 - 633	15 - 647	AA878492, AC005907, AC005089, L78810, AL031311, AL096791, AC007055, AP000359.

| HMWGI79 | 8111 | 774806 | 1 - 688 | 15 - 702 | AL078581, AC005841, AC006011, Z86090, AC004893, AC007225, AC006285, AL009181, AP000511, Z98742, AF199465, AC005412, AC004134, AC007308, AL109984, AL021154, AL096701, U07563, AC007546, AL034399, AL035086, AC004033, AC007227, AC005006, AC005844, AC005288, AC004531, AC000052, AC005746, AC002250, AL022721, AL121658, AC002369, U85195, AL049760, AL049780, AL080243, AC004685, AL034420, AC016025, AC005225, AC004000, AL133246, AC005544, AC004067, AC003098, AL121652, AE000658, AP000117, Z85987, AC005015, AF042090, AC004913, AC004859, AL033521, AL021918, AL031587, Z98743, AC003108, AC005500, AC004638, AC007283, AC004841, AC007731, AC003042, AC004263, AC006121, AC006530, AC006449, AC005519, Z85986, Z95113, AC007666, AL034549, AC004167, AP000211, AP000133, AF111169, AL022330, and AL022476, AI821938, AI755214, AI754567, AI754105, AI038990, AI016192, AI354847, AW131356, AI249688, AW328331, AI038304, AI744788, AL045077, AA449468, AA640277, AI569100, AI243789, AW192599, AI859438, AI753856, AA578332, AI278972, AA713829, AA483606, AI889426, AI053398, AA653291, AA570740, AI281561, AA315561, AA177061, AI080307, AI249365, AA568204, AA483075, AI791659, H07953, H43771, AA634991, R87275, AW151247, AW089625, AL044339, AC005089, AF029308, AL031281, AP000065, AP000301, AC005722, AC005702, AC002544, AC007021, AC012627, AC005529, AF111168, AL009172, AC007216, L78833, AC008734, AC005207, AC006130, AL031447, AL022320, U95742, AF129756, AL034420, AC000003, AP000555, AL117694, AP000501, AC005527, U52111, AL121603, AC008134, AL031123, AL034417, L44140, AC004849, AC005531, AC006312, AL049795, AC007676, AB023048, AF134726, AL049869, AC003043, AC007276, AL109827, AC008123, AC005911, AL049636, AL022318, AC000025, AC007308, AL136295, AP000503, AC006040, AC005231, AC007191, AC004019, AC004656, AF039906, AC006011, AC003982, AC004834, AC006501, X87579, AL031005, Z98884, AP000355, AC004895, AL049872, AF030453, AC018633, AL135744, AL049694, AB023049, AC007376, AC004686, AL035587, AL049776, AC002394, AC005228, AL109798, AF109907, AP000553, AL049712, AC004797, U91326, AL109759, AC006285, AC004878, AC008372, AP000552, M63796, AC005839, AL049766, AL008583, AL121658, AC006581, Z85986, AC005618, AL022238, AC004832, AL080243, AC000070, AL021977, AC005288, AB003151, AP000688, AF165926, AC005841, AC006241, AL008582, AC006449, AC006077, AC005081, AI135960, AJ113016, AC005530, AL078581, AC004552, Z95114, AI047825, AC006453, AC006254, AL021939, AC004820, AP000045, AL139054, AL121653, AC005332, AP000511, AC005274, Z99716, AL078638, AC006084, AC005209, AC005899, AC005568, AC009464, AC005399, AC007384, AF196969, AC000120, AC006211, AC010170, AP000513, AL050318, U47924, AC007684, AC007227, AC016025, AC006064, AC005280, AL022721, AF207550, Z83844, Z93241, AC005914, AL035249, AP000152, AC004655, AL049643, AC005067, AC004762, Z84469, AF030876, AC004159, AC023575, |

2410

HMWGH30	8112	455037	1 - 288	15 - 302	AC007226, AC006509, AC005701, AL049759, AL132712, AC007546, AC022477, AL049780, AC005632, AC005921, AC005821, AC006251, AC006277, AC006538, AC020347, AC006317, AC009516, AP037338, Z98742, AL031848, AC003688, AC005520, AC004841, AC004386, AC005037, AC008171, AC005363, AC004858, AC004216, AC005377, AL133448, AP000130, AP000208, AC004854, AL022316, AC005544, AP000505, U82828, AC005500, AC002527, AL031255, AL008718, Z85987, AC002115, AC005015, AC004859, AF053356, AC004526, AP000692, AF200465, AL031591, Z93017, AC002350, AC005500, AC007225, U85195, Y10196, AC002314, Y14768, Z93023, AL031670, AC005736, AC005971, AC004659, AC006023, AL033381, AL096701, AC005666, AC005484, and AL096703.
HMWGE06	8113	935593	1 - 332	15 - 346	AA928968, AI143152, AW296605, AF064858, and AL121757.
HMWFY93	8114	506636	1 - 444	15 - 458	R34758, and AA642317.
HMWFN80	8115	573608	1 - 334	15 - 348	L81392, AC004749, and L81391.
HMWFN37	8116	861123	1 - 452	15 - 466	AJ003358, AA453553, and AP001061.
HMWFN32	8117	573603	1 - 295	15 - 309	Z60346.
HMWFI18	8118	666681	1 - 334	15 - 348	R89320.
HMWFD88	8119	592078	1 - 588	15 - 602	R10175, AW401608, AW403120, AC004233, AF014118, and AR003664.
HMWFD86	8120	785629	1 - 400	15 - 414	AA251682, AA601385, AJ003636, and AP000523.
HMWFD68	8121	861124	1 - 148	15 - 162	AA730422, AA574448, W01639, AA480523, AI053458, AW303008, AI123396, AA716211, AA702098, AI524453, AA449923, AA368616, AA077285, AA832077, AI142231, AA483108, AW378752, H56003, H42968, AI888419, AC005412, AL021877, AC005372, AC005254, AC005531, Z98304, L78810, Z84469, AL133445, AC000355, AC002988, AF165141, AC002558, Z76735, AL133500, AL034593, AL033527, AL034351, AC005566, AC005255, AC006581, AL049636, AL109798, AC005852, AL008582, AC007201, AC005736, AC004933, AF061032, AC000117, AC004993, AL121754, AC011594, AL035691, AC006277, AP000552, AC004382, AC006985, AC004918, AL049743, AC002544, AC004542, AC007279, AL022336, AP000691, L34160, U20499, AL008637, AC005666, Z82184, AC005969, AL021939, AC000061, AC004813, AF030453, AC005014, AC005088, and AC004674.
HMWFC64	8122	573596	1 - 311	15 - 325	AI284640, AI370074, AA469451, AI34443, AA720702, AI370094, AW303196, AW319265, AI312309, AA490183, AW085780, AW301350, AW274349, AI281881, AI350211, AA521399, AA521323, AW103758, AA984708, AI962050, AI613280, AI281903, AI261871, AW072923, AW407578, AW406447, AI610159, AW327868, AL138455, AL138265, AI801591, AA587604, AI732865, AA613227, AI567076, AW419262, AI619997, AA780515, AI048925, AI053672, AW238278, AW340844, AA491814, AI688846, AI375710, AL119691, AW438643, AW119432, AA177061, AI341664, AI379719, AA135842, N71728, AA468131, AI345654, AI471481, AL048626, AI754658, AA665330, AI799642, AI305547, AA947547, AW338086, AI744995, AI801701, AI718446, AW406162, AA177063, AI249997, AA577906, AI246119, AA747276,

| HMWET56 | 8123 | 812712 | 1 - 246 | 15 - 260 | AI307608, AW270382, AA523843, AA649642, AA630925, AL042420, AI499938, AA610491, AA846935, AI564496, AI298710, W79504, AA502103, AI017415, AI289067, AI246796, AI734498, AI345118, AI358501, AI798265, AI674873, AI733755, AI685198, AI537955, AA507547, AW406659, AL038705, AW376931, AI473943, AW269488, AW072587, AI371070, AI475569, AA448231, AA452563, AA623002, AA613345, AA599920, AL121255, AI919029, AA737318, AA581903, AW088058, AI110770, AI537506, AA055169, AI640702, AI469968, AW270270, AA551503, AA846957, AA678499, AI821271, AA682912, AI254316, AA744341, AA741572, AA491882, AI061227, AA679672, AA316905, R77905, AW103509, AI956037, AI357288, R88888, AA584082, AA493708, AA977743, AI245679, AA594145, AI709365, AA837677, AA661948, AA598997, AW085991, AI860020, AC006115, X54181, X54178, AC005529, U18391, U18394, 151997, U18393, U57009, U18395, X55925, X55926, X55927, X54176, AF077058, U57005, U18392, X55923, U18398, AF010317, AP000555, X54179, AC004882, U18399, AF015147, AF015157, U57006, X53550, X75335, S75201, U18387, U57008, Y18000, Z94801, AF015149, AC006958, AC004419, L78833, U18390, AC005007, X55932, AC006367, U95740, AF121781, Z99716, AL121655, AC005015, AL034420, AF015148, X76629, AL022323, AL080243, U57007, AL132800, AL132777, AC006486, AC005081, AC005235, AC005412, AF015150, M87919, AC002564, AP000497, U04355, AC005183, AL035423, U14701, AF045448, X55930, AL133396, AC004099, U18400, U67828, AC006480, U78027, Z85995, AC004531, M37547, Z95329, AC004028, AC007242, AF200465, U67231, AL035681, AC012384, AL031659, AC005274, AL079295, AC007055, X58791, AC006116, AP000014, AL132712, AC005971, AC002470, AF064861, AC006277, AC005271, AC007666, AB020866, U67831, L81648, X03272, AC007227, AC009516, AC005940, AL034419, AC007666, AB020866, U67831, L81648, X03272, AC007227, AL049766, AC002094, U67827, AL022098, AC008012, AL031228, AL031286, Z81369, AL024507, AC005088, AC005531, AC005004, AL080238, AC006285, AP000477, U62293, U67211, AC006582, AL049872, AC004149, Z98744, Z96074, AC003043, AL031681, AC006057, Z84814, AC007308, AC005071, AC005911, AL035460, S77605, U67233, AL022311, AL121653, AC005017, AL008719, AC005527, U40369, AC004583, AF141309, AC004890, AC002996, AC005184, AC002456, AC000025, AC016026, AL121603, AP001172, AC006205, AC004816, AC007065, AC005778, AC005844, AC002077, AC000070, AL049647, AL035425, Z81308, X55928, AC007681, AC007919, AL133289, AC005783, AC011311, AC005288, X06123, AI116536, AC007324, U67825, AC005599, AC008101, AC004686, AP000156, AC016025, Z86090, AC005242, AL022476, AC004386, AC006042, AC005383, AL008728, AP001037, U67221, Y09781, AC008079, Z86061, AC009227, AL031589, AC007099, AF126531, AL035079, AC004643, AF207550, AC005923, AC005670, AF015153, AC007043, U35114, AC007073, AF010238, and AC004966. |
| | | | | | AV947547, F26152, AA502103, AA450199, N43757, AW192154, AI049634, AA365347, AI921649, AA593060, M86058, N70648, AI434706, AA513999, AI358343, AI376100, N71557. |

AA723017, AW074059, AI356904, AI564284, TS3607, AI610159, AA714595, AA829106,
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AL041368, AA648064, AI921673, AI859251, AI079667, AW088202, AA533661, F29702,
AI749559, AA342256, AA649642, AA341228, AA297744, AA301813, AA642060, C05755,
AL042213, AA502963, AA551798, AI446464, AA503284, AA584201, AA348929, C06327,
AI282832, H64777, AW028400, AI951928, AL042853, AI642853, AA469959, C17838, AW276817, F01188,
F09736, N41759, AI205126, AA715362, AI688846, AA469451, AI971377, AA213741, AL138265,
AA318652, AI471481, T28550, AI446601, AW083402, AI264743, AW020340, AI459379,
AI653905, AI286356, T96279, AA350859, T07451, AA832148, AA837693, AW080134, F24284,
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AI821279, AW023672, AW303876, AA593247, AI133723, AA364701, AA557879, AI792518,
AL037850, AI859742, AA776936, AI246409, AA776921, AA626678, N66945, AA659083,
AA670158, AW249224, AI886365, AW248803, H86860, AA132999, AA083136, AA749274,
AA359366, AI281181, AL041382, AF150152, M37551, AP000345, AL008629, U14711, U14712,
AP000230, AP000144, AC005682, M62424, AR025392, AC002472, AC005775, AC007664,
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AC005250, AC009233, AC004066, AC006275, AC004858, AC004687, AL109984, AC004184,
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AC006525, AC004783, AL031733, U82668, AC000026, AC003007, AC007536, AL031729,
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A91686, U12833, AC005520, AC008040, AP000299, AC004743, AP000350, AC005251,
AC005353, AC005664, Z85986, AC008039, U38667, AC007216, Z75746, AL050318, AC006026,
299716, U69569, AC008071, AC005041, AC004035, AF003627, AC006160, AL033521,
AC004675, AC005341, 298257, AC002525, AP000353, U47924, AC005217, AC007848, X75335,
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AC006539, U95742, AL121934, Z86062, AP000045, AP000113, AL132642, M16110, U62292,
AL133233, AF002994, I41409, AL109985, AL096707, AF001552, AJ003147, Z83313, AL049643,

HMWEQS2	8124	728535	1-470	15-484	AC005368, AC006356, AC004712, Z97196, AL031675, AL033523, Z93234, AC007263, AL049745, Z86061, AC001531, AC005911, AC005072, Z84719, AL022323, AL078477, AL049759, AL033518, AC007239, AL031276, AC007842, AP000351, AC005681, U80017, AC005888, AL121603, Z99755, AC002460, AF045555, Z99129, AL049869, AL096774, AL031681, AC005778, AC002985, AC005197, AL251029, AC005771, Z99774, AL034371, I34189, AL096768, AC003684, U63721, U91322, AL031255, AL033381, AC005740, Z82244, AC006001, U57009, Z82901, AC004745, AC005856, Z69918, AC005837, AL133396, AC003686, AC005900, AL049830, AC000003, AC005081, AC016025, AL035688, AF006752, AL049757, Z95124, AC006430, AL035460, AC005781, AL049613, I51997, AP000692, AB020863, AC004799, AL035089, AC006251, AC006211, AP000049, AC006211, AC004638, AC004983, AC005284, U66061, AC000353, AC007565, AL132992, AC005228, AP000555, AP000020, AP000161, Z92540, U95740, AP000311, AC006332, AC005102, AC002119, AC004987, AL034423, AC005177, AL050312, AC000396, AC004802, AP000117, AC002073, U34055, AL022337, AC006571, AL035448, AL133245, AC005288, U34052, AL078463, AL035411, AC004453, AC006925, AC007878, and AL078639.
HMWEN61	8125	909931	1-318	15-332	AA255655.
HMWEL56	8126	733583	1-250	15-264	AA909291, AI808906, AW292487, AA828414, AA811421, AA486692, AI282535, AA419482, AI571878, AA436479, and AF020313.
HMWEI53	8127	861141	1-192	15-206	N51780, AW407881, AI160515, AA400967, and D87447.
HMWEA91	8128	790331	1-527	15-541	H82464.
HMWEA10	8129	968105	1-574	15-588	N34786, AI806471, AA570657, AA234475, AA738273, R70183, AA234112, R71398, and AI927958.
HMWDZ25	8130	678724	1-213	15-227	AI778834, AA232793, and AA232649.
HMWDR15	8131	660522	1-404	15-418	T83764.
HMWDP06	8132	935903	1-174	15-188	T06969, R27224, and AB028962.
HMWDN60	8133	974425	1-363	15-377	W84769, AW136382, AA009763, and AC004522.
HMWDH55	8134	732304	1-435	15-449	T81746.
HMWCT43	8135	715575	1-471	15-485	N94798, and N94764.
HMWCR88	8136	955258	1-326	15-340	R11783.
HMWCI47	8137	720581	1-356	15-370	
HMWCH04	8138	615628	1-602	15-616	N40606, N29201, H96518, N27833, AI925321, AI926681, AI860677, AI244758, AW272794, AA984191, AA826144, AI886060, AI044590, AI886365, AA987962, AA528441, AL039187, W90237, AI090334, R54896, AI079423, C16699, AL046746, AI954525, AA181773, AA206807, R59567, AA446601, AA507837, AW024210, AW152611, AA769114, AI305258, AW075915, AA729264, AI038936, F32893, AA832130, AI038909, AI471418, AI073888, AA196390,

HMWCG38	8139	851630	1-598	15-612	AA563770, AA328169, AA679266, AC006511, Z82097, AC005940, AL008635, AB007915, AP000300, AP000113, AB011542, AL031662, AL031774, AC002542, AC005164, Z82181, AC006277, AB011542, AC004996, AL050309, AL031058, AC011362, AL117328, AP000503, AF134726, AL035659, AL035420, AC005399, Z49250, AC010582, AC044460, L48038, D83253, AL031589, AC006148, AC002059, AL008706, AC003041, AC005368, AC005823, AL034394, AC007688, AL049780, AC006142, D84149, AC000291, AC004755, AC005694, AC005837, AC005529, AB011129, AC004771, AL080243, AL031230, AC005081, AP000474, AC003077, AP000210, AP000132, AL049759, AP000248, AC005225, AL096818, AC004498, AJ006216, AP000542, AC004019, AF069074, and AC005391. N58418, AA034158, W74493, AW006009, AA015719, AA788267, AI445745, AI056261, W79090, AA400216, N78008, AI937396, AI191881, W73497, W23486, W67606, AI564573, AI374806, AA293838, AI097007, T95431, AA603085, AW295073, AA127181, AI122613, N26542, H84552, N39425, H55969, AI697129, T78468, AI090556, AA564396, AA748523, AI268509, N64022, AI168016, AI080325, AA053402, N48541, AA694390, AA651930, AA400127, W67558, AI268614, AI369805, AA450021, W69403, AI261755, W73515, T78545, N95084, AA618523, AA772633, R10577, AA327219, AA211289, AA302701, AA705259, R19400, AP24654, N73360, AA280628, R11610, AA846680, AW265361, R10576, AW023512, AI000971, C15592, R57045, AI085385, AA767586, AA830670, AA843900, AI817930, AA648329, AI114316, AA625706, AW385518, AA744945, AA383319, N89865, AI219903, AA403263, AA890669, N28373, AI091949, AI54483, AI299215, AA865342, AI052655, AA227192, N90503, AI041241, AA890424, AA056457, AI865626, AW265454, N53860, AI708757, H55970, AI547137, AI541216, AI535787, and AJ132931.
HMWBZ89	8140	787111	1-357	15-371	H49239.
HMWBT59	8141	893995	1-274	15-288	AA368664, AL043880, R62399, AA523876, AI915189, W05294, AA42981, AW339362, AI056132, AI873659, AI636417, AI812097, AI074942, AI349372, AA922395, AI168791, AW083986, AI266219, AI859189, AW194157, AI683304, AI199896, AI269181, AI625514, AI199890, AW130160, AA12362, AI338926, AI288535, AI339682, AA114897, AI091057, AI671452, W90768, AA810411, AA114896, AI137033, AA528033, AI743815, AW005102, AA523117, H48227, AI886641, AI38443, F05074, AI680503, AA938005, AI862000, AW204921, R62400, AI305176, W90701, AI990810, F08811, H79690, AI023431, F04534, and T05279.
HMWBT05	8142	932558	1-461	15-475	N20587, AA225583, AI91633, N28979, AI620540, AI01267, H24714, T49309, AA225604, AA987298, U73643, AI136842, X57796, and AB016026.
HMWBH77	8143	888862	1-533	15-547	T80378.
HMWBH40	8144	712730	1-603	15-617	
HMWBH29	8145	927321	1-625	15-639	T74339, AA007592, W90626, AA680304, AA954254, AI133697, W60511, AA007389, AA767198, AA143074, AA987383, AA137383, F12509, Z44513, W90249, AA827641, AI141189, AA401334, AA747585, F25999, AA575866, AA313726, F22587, AA730678, AA664969, F33617.

HMWBGI6	8146	859404	1 - 200	15 - 214	AA315506, AI358423, AA515848, N98867, FI9304, F37060, AA156110, F37437, W58769, F33556, AA157759, AA608827, AA728989, F25212, F24956, AA740468, F36060, AA737291, AA492193, AA932208, AA090406, AI291661, AA705812, AA889507, F24362, AA194358, F31772, AA148433, F27422, AA741404, AA308290, AI536594, AD76978, AA314904, AA384045, AI143027, AA382505, AA526390, F29957, AA314719, AA974467, AI826775, P27860, F32057, F31800, AA995725, AI282169, AI933136, F24856, AW022412, F34156, AA491525, AA192185, AA579682, AA594575, FI9218, F22463, AI74961, AI384039, T57362, AI810403, F20992, T35918, F29662, F21312, F29723, F23580, F35367, F31884, AA385186, AI867973, F31246, F20491, AA143134, F24202, AW368325, AI701341, F29466, W88582, AA976781, AW241684, F37748, F29835, AA492088, F30675, F27384, N55638, F35170, F27612, T57445, F23553, F34612, W04663, T23491, Z40911, T16443, AA528421, F34150, F29578, AA639064, N89217, F31547, N56464, F34856, F33998, F24124, AA247353, AA316521, and AB017710.
HMWBB42	8147	714114	1 - 484	15 - 498	AA398006, and AI650862.
					R11451, and AA018329.
HMWAJ04	8148	586507	1 - 740	15 - 754	AA558616, AA578017, AA558697, AA578251, AI053465, D29241, AA649705, AA595825, AA810370, AA127636, AA713922, AA523815, AA304977, AA346575, AA834755, AA970213, AA451990, AA557970, AA341336, AA336362, AA574110, AA649722, AA483731, AA973803, AA515435, AA719080, AA078691, AA644207, AA446657, AA524838, AA559290, AI446638, N52544, AA077817, AA259186, AA161083, AA484670, T49241, AI205126, T16056, AI046457, AA487858, AA280632, R83443, AA461233, AA804379, AA720691, AA670468, AA503473, AA634145, AA847984, W56203, AI355238, R29012, AA678772, AA602528, AA876314, AA626747, AA513972, R95704, AA134959, AW083402, AA582911, AA480790, AA463486, AA522942, T15897, AA584751, AA873560, AA890918, R97634, AA605032, AA721615, AA996214, W05364, AA215474, AA845843, AA988259, AI471481, AI471481, AA252263, T10560, AA578349, T03722, AA437161, AA233519, AI037914, AA910125, AA078537, AA450089, AI041499, C14793, AA644551, T86755, AA196796, AA838096, AA525824, AA383731, R38154, AA678499, AA308806, N55273, HI0994, AA330380, AA613421, AA350859, AA491284, AA102006, AA209164, FI9258, AA644551, T86755, AA196796, AA838096, AA525824, AA383731, F23349, AA834622, T54108, AA630606, AA780797, AA516527, AA486885, AA491284, AA102006, AA358321, AA703707, AA525876, N46153, AA194761, W80462, AA525249, F23349, AA551201, AA806796, AA323749, AA788858, AA527958, AA825455, AA665021, AA521355, AA533092, AA586562, AA167643, AW167267, M77899, T94075, T94075, T36273, AA492166, AA134347, AA206935, AA05972, F35659, AI567577, AA578141, AA525151, AA572713, F01658, F01141, AA552885, AA550758, AW236342, AA601222, AA837718, AI023082, AA593359, AA095511, AI648558, AA810269, AA357552, AA714055, AA491437, AA342901, T71030, AA650271, N69316, AA749274, AW088058, FI0081, F29989, AA523020, AA302963.

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HMVDZL1	8149	966351	1 - 530	15 - 544	AA663469, T41050, AA515909, D57369, AA012897, AI053672, AA259245, AI110770, AA579736, AA401657, AA601499, AA365302, AW302013, AA524809, AA326441, AI048925, AA357937, T58344, AI887483, AA640034, AA533036, W38404, M87918, AF205592, AL132985, AC005562, AL049709, AP000302, AP000114, AP000046, S83362, U14694, AC006004, AF109907, X07258, U02048, U02054, AC004858, AC003086, AL121652, M94631, AC007193, AB012251, AC005730, L44140, AF193806, AC006163, U14702, U14689, AC003661, AC002115, AB023049, AC002350, AC004111, AC006241, U02044, AB023048, AC006409, X54156, U94788, AC005595, X62695, AP000510, AC010200, AC004534, AI121595, AC006213, U13056, AP000512, D49685, AL035072, AC006530, AF147275, AC004987, AC005771, AL031123, AC003663, X60152, AC004449, AC006353, ZT3900, AC004810, AU22238, AC006596, X75335, AL109654, AL031732, AL034419, AD000092, AP000011, U47924, U58675, X58156, AL031687, AL031679, AC004596, AF029750, U14691, U14685, U14686, U14687, U14688, U14699, U14710, S41998, AC007358, AC002429, AC005912, Z29128, AL132777, Z84480, D37794, AR077058, AC007021, AC006928, AF053645, AF085444, AL031599, AC005901, AC002525, U14703, M87919, AL035450, AL035685, AC006137, AC005291, D83989, AL133404, AL035530, AC007314, AL021392, AP000513, AC007790, AC004167, AC005399, U14704, AC007066, Z84486, AC004234, AL078639, Z22650, AP000153, AL021546, U52513, AL132712, AL049761, AC007207, AP000455, U73633, AL133485, AL035448, AL031735, AC26236, L04965, L77570, AC006948, AC006050, AC005754, Z99570, AC004615, AF011889, AL133238, AL049611, AC005566, AC005503, AL035681, AC000372, AC002106, AL080242, AC004408, AP000402, U95743, AC006362, AC007011, AB023052, AC002457, AC000087, AL023883, AL022329, I17291, AC005037, M77848, Z82208, AF147277, X83604, AL031653, AF060568, AC006138, AL121580, AC005610, AF038458, ZT3420, U14692, AL031668, S61977, AC005895, AC001226, AL136018, AL078604, AC004031, AF130342, 297205, AL022325, AC005600, AL008706, AL031983, U55180, AL049869, AL023577, AC004955, AF134726, AP000502, AL035086, Y12508, U14695, U14705, AL133224, L13709, L13713, AC003111, L13714, L13706, S75337, M87903, AL031283, AC004216, M77849, AC004825, AC005317, AC04477, AL079340, AF064861, AC005940, AC005060, AP000018, AC005191, AB011147, AF006752, U91319, AC002539, AC006277, AB020860, AB022537, Z69917, AC003102, L49046, AL031672, AC005221, AC007860, AF015170, AC004263, AL117258, AJ246003, AL031588, AC004760, AC006441, X5931, U95739, AL032822, Z82170, AC000119, AL034860, AC005200, and AL034429. R83823, and AA157678.
HMVDV55	8150	811616	1 - 397	15 - 411	R56378, H05003, and R83285.
HMVDQ02	8151	919057	1 - 342	15 - 356	AA663501, AA862536, AW265642, and AW275747.
HMVDL45	8152	717384	1 - 827	15 - 841	H09382, R17471, Z44450, and F07290.
HMVDJ60	8153	877124	1 - 774	15 - 788	N46872, AA046610, AI589041, AI638264, AI888302, AW206234, AW135977, AI580058, AL034429.

HMVDE10	8154				AI657127, AW002540, AI660025, AI623109, AI381671, AW150855, AW206029, AW205466, AI973077, AI973087, and AI675515.
HMVCY89	8155	861184	1 - 730	15 - 744	AA460638.
HMVCY14	8156	786651	1 - 504	15 - 518	RI1102, RI1103, H47988, H81110, RI1125, and AC005611.
HMVCG26	8157	657801	1 - 461	15 - 475	T96219, T79232, T96458, AF15710I, and AF025884.
HMVBY77	8158	681174	1 - 354	15 - 368	R25770, AA249108, AT41586, and AC002519.
		771974	1 - 563	15 - 577	T65331, FI1774, FI1773, AI364568, AA557911, R17490, AA196160, R10144, T60316, AA493829, AA150013, AA806789, AW151637, AW151645, AW151646, AI139971, AW249468, AA714190, AI624666, H81732, T56025, AI567148, AA363957, AA226679, AA484191, AI678754, AI560630, AI281401, AA515440, N63891, AI538106, AI273990, AI933478, AA434078, W67486, AA565319, AW02315, AI242432, AI242531, W87421, AI814959, W67485, T93105, AI689198, AA516058, AA599080, P25580, AA525332, AI149238, AA581317, AI300054, AW236163, AI823533, AI823535, R51582, AI933486, AA837325, AI421723, AA601265, T64444, AW084431, AA584635, H53189, AI119156, R92658, AL119182, T05617, AA361513, AA742764, AI254463, AI252005, AA564682, AW028834, AA601673, AL038977, AI299192, AI909229, AA613850, AA586433, AI869786, AI891075, AW058223, AA159006, AC006479, AC004859, AC004921, S68013, AC005531, AL008719, AL021528, AC006509, AC007738, AF001550, AC005217, AB023050, AF035968, AC000037, AC000032, AC004671, AC004491, AC007868, AL031005, AC004914, AC005609, AC005903, AC005327, AP000499, AB026898, AC012085, AL133163, AL049766, AC003689, AL031584, AC002347, Z84572, AP000556, AP000552, AL132987, AC006960, AL078581, AC005216, AF003529, AC004477, AC006006, AL035423, AC000035, AB020865, AL031276, AC004692, AL031230, AC000025, AC005527, AC008134, AC007917, AC005529, M76423, AC005952, AC000472, AL049631, AL121757, AC008372, AL049795, AL032821, AC005669, Z68284, AC007955, AL133238, AL049882, AC003690, Z92546, AP000010, AP000151, AL022162, AL135783, AL008630, AL023799, Z49866, AC004054, AL117355, AC007386, AC006121, AC005280, AL049776, AL031602, AP000245, Z69890, AC006541, AC005391, Z99297, AL096817, AC003983, AC005208, AC004000, AL022396, AC005484, Z97054, AC007384, AC009731, AC005821, AC005730, AL021939, AD000864, AR024533, Z83838, AL031985, AL049697, AC005088, AC000065, AL050341, AL031735, AL133245, AC007065, AC006312, AL109827, AC007025, AC005694, AP000171, AC004217, AL03440Z, AC006454, AL022241, AL117338, U72790, AC006020, AC004262, Z82901, AC004736, Z97181, AL21595, AC007276, AL021391, AC002476, Z54146, AP000298, AC005513, AF039907, AL023694, Z82190, AC004764, AC005255, AP000112, AP000044, AL109623, AL078604, AC002039, AC003015, AL021940, AC005094, AC005089, AF134726, D84394, AC004805, AL135744, AP000689, AL022320, AL022318, AL023876, AC007285, Z81364, AC007314, AP00282, AP001054, AC005081, AC007731, Z99716, AC004616, AL078638, U95090, AC005841, AL021368, Z83839, AC03839, AC006116, AC01633,